

EXHIBIT A

UNITED STATES DISTRICT COURT
DISTRICT OF SOUTH CAROLINA
CHARLESTON DIVISION

COMMISSIONERS OF PUBLIC WORKS OF)	Civil Action No. 2:21-cv-00042-RMG
THE CITY OF CHARLESTON (d.b.a.)	
Charleston Water System), Individually and on)	<u>CLASS ACTION</u>
Behalf of All Others Similarly Situated,)	
Plaintiff,)	AFFIDAVIT OF BAKER S. MORDECAI,
vs.)	P.E. IN SUPPORT OF PLAINTIFF'S
)	OPPOSITION TO DEFENDANTS' JOINT
)	MOTION TO DISMISS
COSTCO WHOLESALE CORPORATION,)	
CVS HEALTH CORPORATION,)	
KIMBERLY-CLARK CORPORATION, THE)	
PROCTER & GAMBLE COMPANY,)	
TARGET CORPORATION, WALGREENS)	
BOOTS ALLIANCE, INC. and WAL-MART,)	
INC.,)	
Defendants.)	
_____)	

Baker S. Mordecai, P.E., being duly sworn, states the following:

1. I submit this affidavit in support of Plaintiff's Opposition to Defendants' Joint Motion to Dismiss.
2. I am the Director of the Wastewater Collection Department for the Charleston Water System (CWS).
3. In my role with CWS, I oversee the daily operation and maintenance of the wastewater collection system.
4. I have over 30 years of water and wastewater utility experience, and have served as the Director of the Wastewater Collection Department for the Charleston Water System

for the past 15 years. I am a registered professional engineer (P.E), and hold South Carolina "A" operator licenses in Wastewater Treatment and Wastewater Collection, which is a voluntary license in South Carolina.

5. My responsibilities include implementing proactive and responsive steps toward minimizing and responding to wastewater collection blockages and overflows.
6. I oversee 63 environmental professionals who work daily to maintain and operate CWS' wastewater collection system.
7. Through our normal maintenance program we routinely clean our wastewater collection system and remove large quantities of wipes (also referred to by CWS and the wastewater industry in general as "rags") from our sewers, pump stations, and other assets.
8. Based upon years of experience dealing with wipes in our wastewater collection system, I believe that the wipes we remove from our system are a combination of both flushable and non-flushable wipes.
9. We have had issues in general with wipes-related blockages and interference with our wastewater system operations.
10. We are continually concerned about wipes-related blockages in our sewer lines, pump stations, treatment plant and other facilities because wipes-related blockages are an ongoing problem, can occur at any time, and may lead to system reliability failures and sewer overflows to public and private property as well as area waterways.
11. We are so concerned about wipes-related blockages that over the past 8 years, CWS has invested more than \$2 million to install a Supervisory Control and Data Acquisition (SCADA) system at each of our 213 pump stations within the collection system. The SCADA allows for continuous remote monitoring of each pump station and is needed

to provide early notification of potential wipe pump clogs and other failures. Detailed records are collected on all wipes-related blockages such that preventive maintenance schedules can be adjusted to reduce the operational risks of problem areas. Figure 1, below, provides a depiction of our SCADA monitoring system used to identify potential wipe pump clogs.

Figure 1. SCADA Alert System Used to Identify Wipe Pump Clogs



12. In addition to our SCADA investments, in an effort to manage the wipes in our collection system, we have installed bar screens and/or bar screen overlays within approach channels at our vortexes to capture and remove wipes to prevent negative adverse downstream impacts to deep tunnels and treatment facilities. The cost of the bar screens and/or overlays needed to remove a higher percentage of wipes in the past five years have totaled \$120k. The bar screens have been placed on a cleaning schedule that ranges from weekly to monthly depending on our experience with wipes accumulation rates. Figure 2 depicts a new bar screen installed at one of our approach channels.

Figure 2. Bar Screen Installed in Approach Channel



13. Increased cleaning schedules within the collection system have been required where the wipes collect, including pump station wet wells, mainlines, and tunnel system approach channels, vortexes, and shafts.
14. Wipes-related blockages can occur at any time and must often be managed on an emergency basis to prevent Sanitary Sewer Overflows. Notification of blockages can occur through our SCADA system alarms, normal preventive checks, and customer calls to our emergency 24-hour dispatch.
15. Wipes – both flushable and non-flushable – pose one of the most significant operational risks within our collection system and have required our expenditure of significant manpower and financial resources. A summary of our 2021 estimated and actual in-house and contracted work efforts to manage wipes for the period of January 1 through April 28 are provided as Tables 1 (Collection) and Table 2 (Treatment). The work includes both preventative maintenance (PM) and corrective maintenance (CM)

activities that are specific to wipes management and needed to successfully meet our regulatory compliance obligations and ensure collection system operation/reliability. Supporting documentation is provided in the Attachments.

Table 1 – Wastewater Collection Work/Cost Summary (January 1 – April 28, 2021)

Work Activities Specific to Wipes	In-House Work/Cost Summary		Contract Work/Cost Summary		In House and Contract Total Costs
Work Category	# Work Orders	Total Cost	Contract Purchase Order #	Total Cost	
Pump Station Wet Well Cleaning	10	\$1,116	PO #320 - 38 Wet wells	\$17,035	\$18,151
Mainline Cleaning	64	\$35,250			\$35,250
Vortex Cleaning	186	\$68,105			\$68,105
Mainline Blockages	29	\$4,937			\$4,937
Pump Clogs/Failures	37	\$20,054			\$20,054
Vortex Blockage			PO # 318	\$59,013	\$59,013
Totals	326	\$129,462	2	\$76,048	\$205,510
Notes: 1. Backup documentation is provided as Attachment #1 (Work Orders) and Attachment #2 (Contract Purchase Orders/Invoices). 2. The term “rags” in supporting documentation is common wastewater collection vernacular and refers to wipes. Woven products, such as dish/wash rags and towels, are rarely observed in the collection system as they do not easily pass through standard internal plumbing.					

Table 2 – Wastewater Treatment Work/Cost Summary (January 1 – April 28, 2021)

Work Activities Specific to Wipes	Work Cost Summary				
Work Category	Landfill Deliveries	Tonnage Removed	Hauling Cost	Disposal Cost	Total Cost
Screenings Operation	11	111	\$5,270	\$3,781	\$9,051
Waste Disposal Pad Operation	5	94	\$1,000	\$3,192	\$4,192
Influent Pump Station Blockage (Contracted)	Contract Purchase Orders/Quotes	Time Out of Service (Months)	Work Description		Total Cost
IPS #1 and #5	PO# 979	8	Dive Services		\$9,458
HTPS #1 and #3	PO #980 PO#785 Xylem 110025118 PO# 708	TBD	Dive Services HTPS Wipes Removal Purchased Temp Electric Pump Purchased Temp Hydraulic Pump End Rent Temporary Pumping/Supplies		\$285,173
Totals					\$294,631
Notes:					
1. Backup documentation is provided as Attachment #3 (Wipes Screening/Pad Costs) and Attachment #4 (WWTP Blockage Costs)					

16. As noted above in Table 1, we have encountered 37 wipes-related pump clogs and/or pump failures (e.g., pump level control equipment and flapper valves) and 29 wipes-related mainline blockages within the collection system this year alone. As itemized in Table 1, the cost to manage wipes mainline blockages and pump clogs/failures this year to date totals \$24,991. A wipe pump clog within the collection system is provided as Figure 3.

Figure 3. Wipes Pump Clog



17. As shown in Table 2, four wipes-related pump blockages occurred within the Plum Island Treatment Plant's influent pumping stations (i.e., IPS and HTPS) with significant downtime required to mobilize equipment and divers to remove the clogs. As itemized in Table 2, the costs of dive services and temporary pumping total \$294,631. Figure 4 depicts a wipes-related clog that was removed from the Harbor Tunnel Pump Station (HTPS) in February, 2021.

Figure 4. Wipes clog removed from Harbor Tunnel Pump Station



18. Also, in February, 2021, CWS encountered its first tunnel approach channel blockage at the Crosstown vortex that serves Peninsula Charleston despite performing routine scheduled cleaning of the bar screen. The wipes became so entangled in the approach channel bar screen that the entire channel, including the standing platform used to access the bar screen, was surcharged (see Figure 5). Emergency bypass pumping and specialized cutting equipment was needed to remove the wipes at a contracted cost of \$59,013 (see Table 1).

Figure 5. Surcharged Crosstown Vortex Channel and Standing Platform



19. CWS has increased its collection system inspection and maintenance to reduce operational risks associated with both flushable and non-flushable wipes. As itemized in Table 1 (above), the costs of preventive maintenance (i.e., pump station, mainline, and vortex cleaning)) specific to wipes management within the collection system have totaled \$121,506 year to date.

20. To date in 2021, 201 wheelbarrows of wipes have been removed from bar screens at vortex approach channels (see Attachment 1 - Vortex Cleaning). A wheelbarrow full of wipes removed from a bar screen is depicted below in Figure 6.

Figure 6. Wipes removed from Bar Screen (Wheelbarrow)



21. Wipes that are not removed from the collection system may collect in tunnel shafts and treatment facilities. The average annual cost for wipes-related cleaning of tunnel shafts is \$110k, and this work is not reflected in the Tables 1 and 2 as it is planned later this year. However, as shown in Table 2, 205 tons of wipes have been removed from the screening operation and waste disposal pad serving the treatment facilities. The wipes hauling and disposal cost for this tonnage to date has totaled \$13,243. Figure 7 depicts wipes being removed from a tunnel shaft as part of scheduled annual wipes-related cleaning.

Figure 7. Wipes Removed from Tunnel Shaft



22. In addition to blockages, wipes have imposed other costs on CWS. Wipes that begin to clog pumps cause an inherent loss of pump efficiency, resulting in decreased pumping flow rates and increased energy costs. While the increased energy costs are

not easily quantified, we closely monitor pump run times at pump stations to identify potential clogs. Estimated average pump run times may increase from 10% to 30% due to partial wipes-related blockages, with a corresponding energy cost increase, before a maintenance check is triggered. Wipes also cause additional wear on pump impellers, causing reduced efficiencies. Completely or partially clogged air release valves and other valves located on pump suction and discharge piping may have significant impacts on energy costs due to increased system pressures.

23. Since the onset of the pandemic, an outside contractor has been required to supplement our in-house crews to manage the increase in wipes in our collection system. As shown in Table 1, the contractor has cleaned 38 wet wells at a contracted cost of \$17,035 to date. Despite the increased wipes-related wet well cleaning and other preventative maintenance activities, we continue to experience an average of 9 pump clogs and/or wipes-related pump failures each month. Prior to the pandemic, we encountered an average of 4 wipe pump clogs/failures per month.

24. Despite all of our targeted wipes-related mitigation measures, we can have wipes-related blockages at any time. It is a constant worry of mine and the CWS team that I lead. These concerns have been exacerbated during the ongoing pandemic.


Baker S. Mordecai, P.E.

State of South Carolina

Charleston County

The forgoing instrument was acknowledged before me this 11 day of May,
2021 by Baker S. Mordecai.

Name:

Angela C Davidson

Notary Public for South Carolina

My Commission Expires

2-27-28

Pump Station Wet Well Cleaning

# Work Orders	10
Labor Cost	\$ 668.69
Material Cost	\$ -
Equipment Cost	\$ 447.00
	\$ 1,115.69

Mainline Cleaning

# Work Orders	64
Labor Cost	\$ 16,697.04
Material Cost	\$ -
Equipment Cost	\$ 18,553.25
	\$ 35,250.29

Vortex Cleaning

# Work Orders	186
# Wheelbarrows	201.6
Labor Cost	\$ 42,749.85
Material Cost	\$ -
Equipment Cost	\$ 25,354.86
	\$ 68,104.71

Mainline Blockages

# Work Orders	29
Labor Cost	\$ 3,151.51
Material Cost	\$ -
Equipment Cost	\$ 1,785.75
	\$ 4,937.26

Pump Clogs

# Work Orders	37
Labor Cost	\$ 12,576.17
Material Cost	\$ -
Equipment Cost	\$ 7,478.04
	\$ 20,054.21

Totals

# Work Orders	326
Labor Cost	\$ 75,843.26
Material Cost	\$ -
Equipment Cost	\$ 53,618.90
	\$ 129,462.16

Wipes Pump Station - Wet Well Cleaning

January 1 - April 28, 2021

Work Order Id	Description	Priority	Status	Submit To	Actual Start	Location	Project	Cost Summary Total Hours	Cost Summary Labor Costs	Cost Summary Equip. Costs	Debris Acc.
435844	Annual Wet Well Cleaning PM	3	CLOSED	KNOX, GREGORY T	03/24/2021 06:00	PS 59	Wastewater	3	\$81.27	\$174.00	Y
436205	Annual Wet Well Cleaning PM	3	CLOSED	KNOX, GREGORY T	03/24/2021 11:30	PS 71 - JAMES ISLAND	Wastewater	0.5	\$13.55	\$29.00	Y
436011	Annual Wet Well Cleaning PM	3	CLOSED	KNOX, GREGORY T	03/24/2021 01:00	PS 22 - JAMES ISLAND	Wastewater	1	\$27.09	\$0.00	Y
452693	Wet Well Cleaning	4	CLOSED	Driggers, Thomas J	03/31/2021 06:00	PS 14	Wastewater	3	\$76.35	\$21.00	Y
435300	Annual Wet Well Cleaning PM	3	CLOSED	Driggers, Thomas J	03/31/2021 07:00	PS 138 - WEST ASHLEY	Wastewater	3	\$76.35	\$21.00	Y
452719	Wet Well Cleaning	4	CLOSED	Driggers, Thomas J	03/31/2021 08:00	PS 51	Wastewater	3	\$76.35	\$21.00	Y
414000	Annual Wet Well Cleaning PM	3	CLOSED	Driggers, Thomas J	03/31/2021 09:00	PS 41 - WEST ASHLEY	Wastewater	3	\$76.35	\$21.00	Y
452764	Annual Wet Well Cleaning PM	4	CLOSED	Driggers, Thomas J	03/31/2021 10:00	PS J1212	Wastewater	3	\$76.35	\$21.00	Y
414420	Annual Wet Well Cleaning PM	3	CLOSED	Driggers, Thomas J	03/31/2021 11:30	PS 27 - WEST ASHLEY	Wastewater	3	\$76.35	\$21.00	Y
453606	Wet Well Cleaning	4	CLOSED	BOLTON, CLAYTON A	04/15/2021 08:00	ASHLEY HALL RD.	Wastewater	6	\$88.68	\$118.00	Y
									\$668.69	\$447.00	

# WO's	10
Labor Cost	\$ 668.69
Material Cost	\$ -
Equipment Cost	\$ 447.00
	\$ 1,115.69

Wipes Mainline Cleaning

January 1 - April 28, 2021

Work OrderId	Description	Submit To	Actual Start	Actual Finish	Address	Total Cost	Labor Cost	Material Cost	Equip. Cost	Observations of Cleaning
447679	Mainline Cleanir	BOLTON, CLAYTON A	01/4/2021 07:00	01/4/2021 02:00	1411 NORTHBIRDRGE DR	\$786.99	\$403.49	\$0.00	\$383.50	HEAVY DEBRIS
447757	Mainline Cleanir	BOLTON, CLAYTON A	01/5/2021 07:00	01/5/2021 02:00	1741 AFTON AV	\$786.99	\$403.49	\$0.00	\$383.50	HEAVY DEBRIS
447795	Mainline Cleanir	BOLTON, CLAYTON A	01/6/2021 07:00	01/6/2021 02:00	1160 NORTHBRIDGE DR	\$786.99	\$403.49	\$0.00	\$383.50	HEAVY DEBRIS
447865	Mainline Cleanir	BOLTON, CLAYTON A	01/7/2021 07:00	01/7/2021 02:00	1703 WESTONAVE	\$786.99	\$403.49	\$0.00	\$383.50	HEAVY DEBRIS
447932	Mainline Cleanir	BOLTON, CLAYTON A	01/8/2021 07:00	01/8/2021 02:00	191 RUTLEDGE AVE	\$786.99	\$403.49	\$0.00	\$383.50	HEAVY DEBRIS
448005	Mainline Cleanir	BOLTON, CLAYTON A	01/11/2021 07:00	01/11/2021 10:30	48 SOUTH BATTERY ST	\$423.77	\$217.27	\$0.00	\$206.50	LIGHT DEBRIS
448007	Mainline Cleanir	BOLTON, CLAYTON A	01/11/2021 10:30	01/11/2021 02:00	1739 NORTH BRIDGE DR	\$363.23	\$186.23	\$0.00	\$177.00	HEAVY DEBRIS
448094	Mainline Cleanir	BOLTON, CLAYTON A	01/12/2021 06:15	01/12/2021 10:00	617 PLEASANT GROVE L	\$313.24	\$226.99	\$0.00	\$86.25	DIRT, GREASE
448090	Mainline Cleanir	BOLTON, CLAYTON A	01/12/2021 07:00	01/12/2021 02:00	88 SIMONS ST	\$786.99	\$403.49	\$0.00	\$383.50	HEAVY DEBRIS
448140	Mainline Cleanir	BOLTON, CLAYTON A	01/13/2021 07:00	01/13/2021 11:30	1839 CARTERETT AVE	\$544.84	\$279.34	\$0.00	\$265.50	HEAVY DEBRIS
448271	Mainline Cleanir	BOLTON, CLAYTON A	01/15/2021 07:00	01/15/2021 02:00	1149 SOUTHGATE DR	\$831.77	\$448.27	\$0.00	\$383.50	HEAVY DEBRIS
448371	Mainline Cleanir	BLUESTEIN, ELISA D	01/19/2021 07:00	01/19/2021 02:00	1009 SOUTHGATE DR	\$786.99	\$403.49	\$0.00	\$383.50	LIGHT / HEAVY
448484	Mainline Cleanir	BOLTON, CLAYTON A	01/20/2021 07:00	01/20/2021 02:00	12 NORMAN ST	\$786.99	\$403.49	\$0.00	\$383.50	HEAVY DEBRIS
448576	Mainline Cleanir	BOLTON, CLAYTON A	01/21/2021 07:00	01/21/2021 02:00	1298 WESTON AVE	\$786.99	\$403.49	\$0.00	\$383.50	HEAVY DEBRIS
448684	Mainline Cleanir	BOLTON, CLAYTON A	01/22/2021 07:00	01/22/2021 11:00	59 COMING ST	\$484.30	\$248.30	\$0.00	\$236.00	HEAVY DEBRIS
448685	Mainline Cleanir	BOLTON, CLAYTON A	01/22/2021 11:00	01/22/2021 02:00	1803 DARTMOOR DR	\$302.69	\$155.19	\$0.00	\$147.50	LIGHT DEBRIS
448762	Mainline Cleanir	BOLTON, CLAYTON A	01/25/2021 07:00	01/25/2021 02:00	1716 ARTMOORE CIR	\$729.35	\$345.85	\$0.00	\$383.50	LIGHT DEBRIS
448832	Mainline Cleanir	BOLTON, CLAYTON A	01/26/2021 07:00	01/26/2021 10:00	1717 WOODHAVEN DR	\$363.23	\$186.23	\$0.00	\$177.00	HEAVY DEBRIS
448961	Mainline Cleanir	BOLTON, CLAYTON A	01/27/2021 07:00	01/27/2021 11:00	248 OLD HICKORY CROS	\$484.30	\$248.30	\$0.00	\$236.00	LIGHT DEBRIS
448964	Mainline Cleanir	BOLTON, CLAYTON A	01/27/2021 11:00	01/27/2021 02:00	1730 DARTMOORE DR	\$302.69	\$155.19	\$0.00	\$147.50	HEAVY DEBRIS
449031	Mainline Cleanir	BOLTON, CLAYTON A	01/28/2021 07:00	01/28/2021 11:00	1808 DARTMOORE DR	\$484.30	\$248.30	\$0.00	\$236.00	LIGHT DEBRIS
449114	Mainline Cleanir	BOLTON, CLAYTON A	01/29/2021 09:00	01/29/2021 02:00	21 OAK FOREST DR	\$544.84	\$279.34	\$0.00	\$265.50	LIGHTDEBRIS
449181	Mainline Cleanir	BOLTON, CLAYTON A	02/1/2021 07:00	02/1/2021 02:00	1802 SOMERSET CIR	\$786.99	\$403.49	\$0.00	\$383.50	HEAVY DEBRIS
449300	Mainline Cleanir	BOLTON, CLAYTON A	02/2/2021 07:00	02/2/2021 02:00	1705 VASSAR D4	\$786.99	\$403.49	\$0.00	\$383.50	HEAVY DEBRIS
449376	Mainline Cleanir	BOLTON, CLAYTON A	02/3/2021 07:00	02/3/2021 02:00	1709 VASSAR DR	\$786.99	\$403.49	\$0.00	\$383.50	LIGHT DEBRIS
449468	Mainline Cleanir	BOLTON, CLAYTON A	02/4/2021 07:00	02/4/2021 12:00	1160 NORTHBRIDGE DR	\$544.84	\$279.34	\$0.00	\$265.50	light debris
449556	Mainline Cleanir	BOLTON, CLAYTON A	02/5/2021 07:00	02/5/2021 02:00	1798 HUNTINGTON DR	\$786.99	\$403.49	\$0.00	\$383.50	LIGHT DEBRIS
449641	Mainline Cleanir	BOLTON, CLAYTON A	02/8/2021 07:00	02/8/2021 02:00	1821 HUNTINGTON DR	\$786.99	\$403.49	\$0.00	\$383.50	LIGHT DEBRIS
449703	Mainline Cleanir	BOLTON, CLAYTON A	02/9/2021 10:00	02/9/2021 02:00	1796 BALFOURE DR	\$423.77	\$217.27	\$0.00	\$206.50	HEAVY DEBRIS
449819	Mainline Cleanir	BOLTON, CLAYTON A	02/10/2021 07:00	02/10/2021 02:00	1778 WILSHIRE DR	\$786.99	\$403.49	\$0.00	\$383.50	HEAVY DEBRIS
450000	Mainline Cleanir	BOLTON, CLAYTON A	02/12/2021 07:00	02/12/2021 02:00	1936 CECILIA DR	\$786.99	\$403.49	\$0.00	\$383.50	LIGHT DEBRIS
450212	Mainline Cleanir	BOLTON, CLAYTON A	02/17/2021 07:00	02/17/2021 10:00	16 LOLANDRA AVE	\$363.23	\$186.23	\$0.00	\$177.00	HEAVY DEBRIS
450221	Mainline Cleanir	BOLTON, CLAYTON A	02/17/2021 10:00	02/17/2021 02:00	1406 CECILIA DR	\$423.77	\$217.27	\$0.00	\$206.50	HEAVY DEBRIS
450290	Mainline Cleanir	BOLTON, CLAYTON A	02/18/2021 07:00	02/18/2021 02:00	1408 JOY AVE	\$786.99	\$403.49	\$0.00	\$383.50	HEAVY DEBRIS
450372	Mainline Cleanir	BOLTON, CLAYTON A	02/19/2021 07:00	02/19/2021 02:00	1790 BALFOURE DR	\$786.99	\$403.49	\$0.00	\$383.50	HEAVY DEBRIS
450449	Mainline Cleanir	BOLTON, CLAYTON A	02/22/2021 07:00	02/22/2021 10:00	1715 RIVER FRONT DR	\$363.23	\$186.23	\$0.00	\$177.00	LIGHT / HEAVY
450710	Mainline Cleanir	BOLTON, CLAYTON A	02/25/2021 10:00	02/25/2021 02:00	1351 JOY AVE	\$544.84	\$279.34	\$0.00	\$265.50	HEAVY / LIGHT
450785	Mainline Cleanir	BOLTON, CLAYTON A	02/26/2021 07:00	02/26/2021 12:00	44 SHELLEY RD	\$602.90	\$307.90	\$0.00	\$295.00	LIGHT / HEAVY

Wipes Mainline Cleaning

January 1 - April 28, 2021

Work OrderId	Description	Submit To	Actual Start	Actual Finish	Address	Total Cost	Labor Cost	Material Cost	Equip. Cost	Observations of Cleaning
450896	Mainline Cleanir	BOLTON, CLAYTON A	03/1/2021 07:00	03/1/2021 09:00	1738 WILSHIRE DR	\$242.15	\$124.15	\$0.00	\$118.00	LIGHTBDEBRIS
450902	Mainline Cleanir	BOLTON, CLAYTON A	03/1/2021 09:00	03/1/2021 02:00	1712 ORANGE GROVE SH	\$544.84	\$279.34	\$0.00	\$265.50	LIGHT DEBRIS
451083	Mainline Cleanir	BOLTON, CLAYTON A	03/4/2021 07:00	03/4/2021 02:00	1748 JERVEY DR	\$556.43	\$172.93	\$0.00	\$383.50	LIGHT DEBRIS
451468	Mainline Cleanir	BOLTON, CLAYTON A	03/10/2021 07:00	03/10/2021 02:00	1735 ORANGE GROVE RI	\$498.78	\$115.28	\$0.00	\$383.50	HEAVY DEBRIS
451552	Mainline Cleanir	BOLTON, CLAYTON A	03/11/2021 07:00	03/11/2021 12:00	1135 NORTH BRIDGE DR	\$345.31	\$79.81	\$0.00	\$265.50	LIGHT DEBRIS
451621	Mainline Cleanir	BOLTON, CLAYTON A	03/12/2021 07:00	03/12/2021 02:00	1235 NYE ST	\$498.78	\$115.28	\$0.00	\$383.50	LIGHT DEBRIS
451779	Mainline Cleanir	BOLTON, CLAYTON A	03/15/2021 07:00	03/15/2021 02:00	1387 TARA RD	\$498.78	\$115.28	\$0.00	\$383.50	LIGHT DEBRIS
451789	Mainline Cleanir	BOLTON, CLAYTON A	03/16/2021 07:00	03/16/2021 02:00	1749 TARA RD	\$498.78	\$115.28	\$0.00	\$383.50	HEAVY DEBRIS
451865	Mainline Cleanir	BOLTON, CLAYTON A	03/17/2021 07:00	03/17/2021 02:00	1321 Raymon way	\$671.71	\$288.21	\$0.00	\$383.50	medium ,,
451941	Mainline Cleanir	BOLTON, CLAYTON A	03/18/2021 09:00	03/18/2021 01:00	87 SHEPPARD ST	\$267.42	\$60.92	\$0.00	\$206.50	HEAVY DEBRIS
452058	Mainline Cleanir	BOLTON, CLAYTON A	03/22/2021 07:00	03/22/2021 02:00	1409 W LENEVAR DR	\$498.78	\$115.28	\$0.00	\$383.50	HEAVY DEBRIS
452314	Mainline Cleanir	BOLTON, CLAYTON A	03/25/2021 10:00	03/25/2021 02:00	1409 TARA RD	\$268.58	\$62.08	\$0.00	\$206.50	HEAVY DEBRIS
452397	Mainline Cleanir	BOLTON, CLAYTON A	03/26/2021 07:00	03/26/2021 11:00	69 WENTWORTH ST	\$306.94	\$70.94	\$0.00	\$236.00	LIGHT DEBRIS
452697	Mainline Cleanir	BOLTON, CLAYTON A	03/31/2021 07:00	03/31/2021 02:00	1385 MILES DR	\$498.78	\$115.28	\$0.00	\$383.50	LIGHT / HEAVY
453157	Mainline Cleanir	BOLTON, CLAYTON A	04/8/2021 07:00	04/8/2021 11:00	163 BROAD ST	\$306.94	\$70.94	\$0.00	\$236.00	HEAVY DEBRIS
453299	Mainline Cleanir	BOLTON, CLAYTON A	04/12/2021 07:00	04/12/2021 02:00	881 FRIENDLY CIR	\$786.99	\$403.49	\$0.00	\$383.50	LIGHT/HEAVY
453465	Mainline Cleanir	BOLTON, CLAYTON A	04/14/2021 07:00	04/14/2021 01:00	1212 WINSTON DR	\$665.92	\$341.42	\$0.00	\$324.50	LIGHT / HEAVY
453467	Mainline Cleanir	BOLTON, CLAYTON A	04/14/2021 01:00	04/14/2021 02:00	3 PORTER"S CT	\$121.08	\$62.08	\$0.00	\$59.00	HEAVY DEBRIS
453656	Mainline Cleanir	BOLTON, CLAYTON A	04/16/2021 07:00	04/16/2021 02:00	901 MELROSE DR	\$791.26	\$407.76	\$0.00	\$383.50	LIGHT / HEAVY
453839	Mainline Cleanir	BOLTON, CLAYTON A	04/20/2021 07:00	04/20/2021 10:00	12 LME HOUSE DR	\$363.23	\$186.23	\$0.00	\$177.00	HEAVY DEBRIS
453840	Mainline Cleanir		04/20/2021 10:00	04/20/2021 02:00	25 AUTUMN LN	\$423.77	\$217.27	\$0.00	\$206.50	HEAVY DEBRIS
454055	Mainline Cleanir	BOLTON, CLAYTON A	04/22/2021 10:00	04/22/2021 02:00	39 HEATH WOOD DR	\$423.77	\$217.27	\$0.00	\$206.50	HEAVY DEBRIS
454227	Mainline Cleanir	BOLTON, CLAYTON A	04/26/2021 07:00	04/26/2021 11:00	19 HEATHWOOD DR	\$484.30	\$248.30	\$0.00	\$236.00	HEAVY DEBRIS
454228	Mainline Cleanir	BOLTON, CLAYTON A	04/26/2021 11:00	04/26/2021 02:00	13 W. ROBINHOOD DR	\$294.93	\$147.43	\$0.00	\$147.50	LIGHT DEBRIS
454392	Mainline Cleanir	BLUESTEIN, ELISA D	04/28/2021 07:00	04/28/2021 10:00	103 EAST BAY ST	\$363.23	\$186.23	\$0.00	\$177.00	LIGHT DEBRIS
454393	Mainline Cleanir	BOLTON, CLAYTON A	04/28/2021 10:00	04/28/2021 02:00	963 5TH ASHLEYVILLE	\$423.77	\$217.27	\$0.00	\$206.50	HEAVY DEBRIS
						\$35,250.29	\$16,697.04	\$0.00	\$18,553.25	

# WO's	64
Labor Cost	\$ 16,697.04
Material Cost	\$ -
Equipment Cost	\$ 18,553.25
	\$ 35,250.29

Wipes Vortex Cleaning

January 1 - April 28, 2021

Work Order Id	Description	Actual Start	Actual Finish	Address	Total Cost	Labor Cost	Equipment Cost	Rag Accumulation	# of Wheelbarrows
428789	VORTEX MONTHLY PM	01/2/2020 07:15	01/2/2020 10:00	VOR A - BARRE STREET	\$366.69	\$204.44	\$162.25	Y	2.0
429130	VORTEX MONTHLY PM	01/8/2020 07:15	01/8/2020 10:00	VOR A - BARRE STREET	\$435.04	\$256.29	\$178.75	Y	2.0
428739	VORTEX MONTHLY PM	01/8/2020 12:00	01/8/2020 03:00	VOR V1 - CROGHAN SPUR	\$449.38	\$254.38	\$195.00	Y	3.0
426259	VORTEX MONTHLY PM	01/9/2020 10:30	01/9/2020 11:30	VOR L - WATER ST	\$221.89	\$124.39	\$97.50	Y	0.0
429026	VORTEX MONTHLY PM	01/9/2020 12:00	01/9/2020 01:00	VOR F - SOUTH ADGER WHARF	\$158.20	\$93.20	\$65.00	Y	0.0
427972	VORTEX MONTHLY PM	01/9/2020 01:00	01/9/2020 02:00	VOR J - AMERICA/LEE STREET	\$158.20	\$93.20	\$65.00	Y	0.0
428651	VORTEX MONTHLY PM	01/10/2020 10:00	01/10/2020 11:00	VOR C - COUNCIL STREET	\$158.20	\$93.20	\$65.00	Y	0.0
427815	VORTEX MONTHLY PM	01/13/2020 07:15	01/13/2020 11:00	Vortex " B " (Colonial Lake)	\$593.24	\$349.49	\$243.75	Y	1.0
429756	VORTEX MONTHLY PM	01/13/2020 11:00	01/13/2020 02:30	Vor - B Croghan	\$474.59	\$279.59	\$195.00	Y	2.0
429534	VORTEX MONTHLY PM	01/17/2020 07:15	01/17/2020 10:30	VOR V1 - CROGHAN SPUR	\$1,255.42	\$672.42	\$583.00	Y	1.5
429526	VORTEX MONTHLY PM	01/17/2020 10:30	01/17/2020 12:30	VOR A - BARRE STREET	\$452.36	\$322.36	\$130.00	Y	2.0
428031	VORTEX MONTHLY PM	01/22/2020 09:00	01/22/2020 11:00	VOR H - SOUTH ST	\$378.68	\$248.68	\$130.00	Y	0.0
428487	VORTEX MONTHLY PM	01/22/2020 11:00	01/22/2020 12:30	VORTEX "G" (CROSSTOWN)	\$284.01	\$186.51	\$97.50	Y	0.0
428785	VORTEX MONTHLY PM	01/22/2020 01:00	01/22/2020 03:00	VOR K- HUGER ST	\$378.68	\$248.68	\$130.00	Y	2.0
430483	Vortex Cleaning	01/24/2020 07:15	01/24/2020 10:00	VOR V1 - CROGHAN SPUR	\$435.04	\$256.29	\$178.75	Y	1.5
430495	VORTEX MONTHLY PM	01/24/2020 10:00	01/24/2020 12:00	VOR A - BARRE STREET	\$316.40	\$186.40	\$130.00	Y	2.0
426933	VORTEX MONTHLY PM	01/27/2020 07:15	01/27/2020 09:00	VOR D - CALHOUN STREET	\$276.85	\$163.10	\$113.75	Y	0.0
429697	VORTEX MONTHLY PM	01/29/2020 08:00	01/29/2020 10:00	VOR C - COUNCIL STREET	\$316.40	\$186.40	\$130.00	Y	0.0
429582	VORTEX MONTHLY PM	01/29/2020 10:00	01/29/2020 12:30	VOR L - WATER ST	\$395.50	\$233.00	\$162.50	Y	0.0
430088	VORTEX MONTHLY PM	01/30/2020 07:15	01/30/2020 10:30	VOR V1 - CROGHAN SPUR	\$514.14	\$302.89	\$211.25	Y	2.0
429626	VORTEX MONTHLY PM	02/5/2020 07:15	02/5/2020 09:00	VOR J - AMERICA/LEE STREET	\$212.42	\$109.17	\$103.25	Y	0.0
428484	VORTEX MONTHLY PM	02/5/2020 10:30	02/5/2020 12:00	VOR O - DANIEL ISLAND TREATM	\$182.08	\$93.58	\$88.50	Y	3.0
431237	VORTEX MONTHLY PM	02/6/2020 07:15	02/6/2020 12:00	VOR O - DANIEL ISLAND TREATM	\$751.44	\$442.69	\$308.75	Y	0.0
431261	VORTEX MONTHLY PM	02/6/2020 12:30	02/6/2020 03:00	VOR V1 - CROGHAN SPUR	\$553.69	\$326.19	\$227.50	Y	2.0
430120	VORTEX MONTHLY PM	02/7/2020 07:15	02/7/2020 10:00	VOR A - BARRE STREET	\$519.78	\$341.03	\$178.75	Y	2.0
427812	VORTEX MONTHLY PM	02/7/2020 10:00	02/7/2020 12:30	VOR M - BEE ST	\$383.95	\$221.45	\$162.50	Y	2.0
429623	VORTEX MONTHLY PM	02/7/2020 01:00	02/7/2020 02:00	VOR F - SOUTH ADGER WHARF	\$121.38	\$62.38	\$59.00	Y	0.0
430791	VORTEX MONTHLY PM	02/14/2020 07:15	02/14/2020 10:00	VOR V1 - CROGHAN SPUR	\$435.04	\$256.29	\$178.75	Y	2.0
430496	VORTEX MONTHLY PM	02/14/2020 10:00	02/14/2020 12:30	VOR A - BARRE STREET	\$395.50	\$233.00	\$162.50	Y	2.0
430277	VORTEX MONTHLY PM	02/25/2020 09:30	02/25/2020 10:30	VOR H - SOUTH ST	\$126.98	\$67.98	\$59.00	Y	0.0
431795	VORTEX MONTHLY PM	02/25/2020 10:30	02/25/2020 12:30	VOR V1 - CROGHAN SPUR	\$469.09	\$233.09	\$236.00	Y	2.0
431155	VORTEX MONTHLY PM	02/26/2020 10:00	02/26/2020 11:30	VOR J - AMERICA/LEE STREET	\$246.83	\$149.33	\$97.50	Y	0.0
432372	VORTEX MONTHLY PM	02/27/2020 07:15	02/27/2020 10:00	VOR V1 - CROGHAN SPUR	\$358.51	\$358.51	\$0.00	Y	2.0
431262	VORTEX MONTHLY PM	03/3/2020 07:15	03/3/2020 10:00	VOR V1 - CROGHAN SPUR	\$358.51	\$358.51	\$0.00	Y	2.0
430329	VORTEX MONTHLY PM	03/4/2020 07:15	03/4/2020 10:00	VOR K- HUGER ST	\$435.04	\$256.29	\$178.75	Y	1.0
432509	VORTEX MONTHLY PM	03/6/2020 07:15	03/6/2020 10:00	VOR V1 - CROGHAN SPUR	\$358.51	\$358.51	\$0.00	Y	2.0
431341	VORTEX MONTHLY PM	03/6/2020 10:00	03/6/2020 12:30	VOR A - BARRE STREET	\$325.92	\$325.92	\$0.00	Y	2.0
433048	Vortex Cleaning	03/6/2020 12:30	03/6/2020 03:00	Vortex " B " (Colonial Lake)	\$288.75	\$288.75	\$0.00	Y	1.0

Wipes Vortex Cleaning

January 1 - April 28, 2021

Work Order Id	Description	Actual Start	Actual Finish	Address	Total Cost	Labor Cost	Equipment Cost	Rag Accumulation	# of Wheelbarrows
430549	VORTEX MONTHLY PM	3/10/2020 09:0	03/10/2020 10:00	VOR D - CALHOUN STREET	\$164.15	\$105.15	\$59.00	Y	0.0
432415	VORTEX MONTHLY PM	3/10/2020 10:0	03/10/2020 11:00	VOR V3 ALBERMARLE POINT DR	\$170.15	\$105.15	\$65.00	Y	0.0
433471	Vortex Cleaning	3/13/2020 07:1	03/13/2020 11:00	VOR V1 - CROGHAN SPUR	\$488.88	\$488.88	\$0.00	Y	2.0
431800	VORTEX MONTHLY PM	3/13/2020 11:0	03/13/2020 02:00	VOR A - BARRE STREET	\$325.92	\$325.92	\$0.00	Y	2.0
430715	VORTEX MONTHLY PM	3/16/2020 09:0	03/16/2020 10:00	VOR L - WATER ST	\$126.98	\$67.98	\$59.00	Y	0.0
433859	Vortex Cleaning	3/23/2020 07:1	03/23/2020 09:00	VOR V1 - CROGHAN SPUR	\$482.20	\$306.20	\$176.00	Y	2.5
428422	VORTEX MONTHLY PM	3/23/2020 09:0	03/23/2020 10:00	VOR A - BARRE STREET	\$260.31	\$260.31	\$0.00	Y	2.0
432835	VORTEX MONTHLY PM	3/23/2020 10:0	03/23/2020 11:00	VOR K - HUGER ST	\$260.31	\$260.31	\$0.00	Y	1.0
431358	VORTEX MONTHLY PM	3/23/2020 11:0	03/23/2020 12:00	VOR M - BEE ST	\$260.31	\$260.31	\$0.00	Y	0.0
434044	Vortex Cleaning	3/27/2020 07:1	03/27/2020 09:30	VOR V1 - CROGHAN SPUR	\$222.22	\$118.97	\$103.25	Y	2.0
433046	VORTEX MONTHLY PM	3/27/2020 09:3	03/27/2020 10:30	VOR A - BARRE STREET	\$126.98	\$67.98	\$59.00	Y	1.0
433470	VORTEX MONTHLY PM	3/30/2020 07:1	03/30/2020 09:00	VOR V1 - CROGHAN SPUR	\$354.53	\$200.53	\$154.00	Y	2.0
433475	VORTEX MONTHLY PM	3/30/2020 09:0	03/30/2020 11:00	VOR A - BARRE STREET	\$357.28	\$181.28	\$176.00	Y	2.0
428512	VORTEX MONTHLY PM	3/31/2020 08:3	03/31/2020 02:00	Vortex " E " (Market Street)	\$762.14	\$382.14	\$380.00	Y	0.0
431363	VORTEX MONTHLY PM	04/1/2020 07:00	04/1/2020 08:00	VOR F - SOUTH ADGER WHARF	\$248.76	\$160.76	\$88.00	Y	0.0
432422	VORTEX MONTHLY PM	04/1/2020 08:00	04/1/2020 10:00	VOR J - AMERICA/LEE STREET	\$405.84	\$229.84	\$176.00	Y	1.0
433913	VORTEX MONTHLY PM	04/1/2020 10:00	04/1/2020 12:00	VOR K - HUGER ST	\$357.28	\$181.28	\$176.00	Y	2.0
336673	VORTEX MONTHLY PM	04/2/2020 07:15	04/2/2020 09:00	VOR B - COLONIAL LAKE	\$355.11	\$201.11	\$154.00	Y	1.0
414592	VORTEX MONTHLY PM	04/2/2020 09:00	04/2/2020 11:00	VOR H1 - SOUTH ST BAR SCREE	\$405.84	\$229.84	\$176.00	Y	1.0
430280	VORTEX MONTHLY PM	04/3/2020 10:00	04/3/2020 12:00	VORTEX "G" (CROSSTOWN)	\$334.28	\$181.28	\$153.00	Y	0.0
434043	VORTEX MONTHLY PM	04/13/2020 09:0	04/13/2020 11:00	VOR V1 - CROGHAN SPUR	\$405.84	\$229.84	\$176.00	Y	1.0
433227	VORTEX MONTHLY PM	04/13/2020 11:0	04/13/2020 12:15	VOR V3 ALBERMARLE POINT DR	\$209.06	\$127.06	\$82.00	Y	0.5
433860	VORTEX MONTHLY PM	04/14/2020 07:0	04/14/2020 10:00	VOR A - BARRE STREET	\$519.15	\$273.15	\$246.00	Y	1.5
431238	VORTEX MONTHLY PM	04/15/2020 10:0	04/15/2020 12:00	VOR O - DANIEL ISLAND TREATM	\$497.51	\$321.51	\$176.00	Y	1.0
434130	VORTEX MONTHLY PM	04/16/2020 07:0	04/16/2020 10:00	VOR J - AMERICA/LEE STREET	\$524.73	\$278.73	\$246.00	Y	1.5
433215	VORTEX MONTHLY PM	04/16/2020 10:0	04/16/2020 12:00	VOR D - CALHOUN STREET	\$299.28	\$181.28	\$118.00	Y	1.5
434603	VORTEX MONTHLY PM	04/17/2020 07:0	04/17/2020 10:00	VOR V1 - CROGHAN SPUR	\$608.76	\$344.76	\$264.00	Y	1.5
434488	VORTEX MONTHLY PM	04/23/2020 07:1	04/23/2020 09:30	VOR A - BARRE STREET	\$285.71	\$152.96	\$132.75	Y	1.0
434604	VORTEX MONTHLY PM	04/23/2020 09:3	04/23/2020 12:00	VOR V1 - CROGHAN SPUR	\$576.36	\$281.36	\$295.00	Y	2.5
434771	VORTEX MONTHLY PM	04/29/2020 09:0	04/29/2020 11:00	VOR A - BARRE STREET	\$423.88	\$259.88	\$164.00	Y	2.5
433914	VORTEX MONTHLY PM	04/30/2020 09:0	04/30/2020 11:00	VOR M - BEE ST	\$497.51	\$321.51	\$176.00	Y	2.0
432758	VORTEX MONTHLY PM	05/6/2020 07:15	05/6/2020 09:00	VOR V1 - CROGHAN SPUR	\$434.64	\$228.14	\$206.50	Y	1.0
435210	VORTEX MONTHLY PM	05/6/2020 09:00	05/6/2020 10:00	VOR M - BEE ST	\$126.98	\$67.98	\$59.00	Y	0.0
429786	VORTEX MONTHLY PM	05/6/2020 10:00	05/6/2020 12:00	Vortex " B " (Colonial Lake)	\$319.74	\$260.74	\$59.00	Y	1.0
434085	VORTEX MONTHLY PM	05/8/2020 07:15	05/8/2020 10:00	VOR A - BARRE STREET	\$683.01	\$358.51	\$324.50	Y	2.0
434131	VORTEX MONTHLY PM	05/8/2020 10:00	05/8/2020 11:00	VOR K - HUGER ST	\$189.37	\$130.37	\$59.00	Y	1.0
434237	VORTEX MONTHLY PM	05/8/2020 11:00	05/8/2020 12:00	VORTEX "G" (CROSSTOWN)	\$248.37	\$130.37	\$118.00	Y	0.0
434046	VORTEX MONTHLY PM	05/12/2020 07:0	05/12/2020 10:00	VOR A - BARRE STREET	\$465.64	\$247.64	\$218.00	Y	1.5

Wipes Vortex Cleaning

January 1 - April 28, 2021

Work Order Id	Description	Actual Start	Actual Finish	Address	Total Cost	Labor Cost	Equipment Cost	Rag Accumulation	# of Wheelbarrows
435209	VORTEX MONTHLY PM	5/12/2020 10:0	05/12/2020 11:00	VOR M - BEE ST	\$131.36	\$66.36	\$65.00	Y	0.5
434154	VORTEX MONTHLY PM	5/13/2020 07:0	05/13/2020 09:00	VOR B - COLONIAL LAKE	\$262.72	\$132.72	\$130.00	Y	0.5
432368	VORTEX MONTHLY PM	5/14/2020 07:0	05/14/2020 11:00	VOR H - SOUTH ST	\$711.78	\$388.78	\$323.00	Y	1.0
434575	VORTEX MONTHLY PM	5/15/2020 07:0	05/15/2020 09:00	VOR J - AMERICA/LEE STREET	\$405.84	\$229.84	\$176.00	Y	1.0
435310	VORTEX MONTHLY PM	5/15/2020 09:0	05/15/2020 11:00	VORTEX "G" (CROSSTOWN)	\$405.84	\$229.84	\$176.00	Y	1.6
435309	VORTEX MONTHLY PM	5/18/2020 10:3	05/18/2020 12:00	VOR K- HUGER ST	\$237.30	\$139.80	\$97.50	Y	1.5
435002	VORTEX MONTHLY PM	5/19/2020 07:1	05/19/2020 09:00	VOR A - BARRE STREET	\$423.52	\$217.02	\$206.50	Y	0.0
435551	VORTEX MONTHLY PM	5/19/2020 09:0	05/19/2020 10:00	VOR J - AMERICA/LEE STREET	\$126.98	\$67.98	\$59.00	Y	0.0
435452	VORTEX MONTHLY PM	5/19/2020 10:0	05/19/2020 11:00	VOR B - COLONIAL LAKE	\$126.98	\$67.98	\$59.00	Y	1.0
433047	VORTEX MONTHLY PM	5/22/2020 07:1	05/22/2020 09:15	Vortex " B " (Colonial Lake)	\$248.02	\$248.02	\$0.00	Y	1.0
433045	VORTEX MONTHLY PM	5/26/2020 07:0	05/26/2020 10:00	VOR V1 - CROGHAN SPUR	\$217.08	\$199.08	\$18.00	Y	1.5
434441	VORTEX MONTHLY PM	5/27/2020 09:0	05/27/2020 12:30	VOR V1 - CROGHAN SPUR	\$222.58	\$204.58	\$18.00	Y	1.0
435901	Vortex Cleaning	5/27/2020 01:1	05/27/2020 04:00	CROGHAN SHAFT	\$328.94	\$254.94	\$74.00	Y	1.5
435448	VORTEX MONTHLY PM	5/28/2020 10:0	05/28/2020 01:00	VOR A - BARRE STREET	\$243.32	\$185.82	\$57.50	Y	1.0
435888	VORTEX MONTHLY PM	5/29/2020 07:0	05/29/2020 10:00	VOR V1 - CROGHAN SPUR	\$431.31	\$344.31	\$87.00	Y	1.5
435799	VORTEX MONTHLY PM	5/29/2020 10:0	05/29/2020 12:00	Vortex " B " (Colonial Lake)	\$275.84	\$229.84	\$46.00	Y	0.5
435306	VORTEX MONTHLY PM	06/2/2020 11:00	06/2/2020 01:00	VOR A - BARRE STREET	\$418.77	\$241.77	\$177.00	Y	2.0
435636	VORTEX MONTHLY PM	06/2/2020 01:00	06/2/2020 02:00	VOR J - AMERICA/LEE STREET	\$220.18	\$161.18	\$59.00	Y	0.0
434134	VORTEX MONTHLY PM	06/4/2020 10:00	06/4/2020 11:00	VOR F - SOUTH ADGER WHARF	\$0.00	\$0.00	\$0.00	Y	0.0
434442	VORTEX MONTHLY PM	06/4/2020 11:00	06/4/2020 12:00	VOR V3 ALBERMARLE POINT DR	\$121.38	\$62.38	\$59.00	Y	0.0
433525	VORTEX MONTHLY PM	06/4/2020 12:30	06/4/2020 02:00	VOR L - WATER ST	\$182.08	\$93.58	\$88.50	Y	0.0
435851	VORTEX MONTHLY PM	06/5/2020 07:15	06/5/2020 10:00	VOR V1 - CROGHAN SPUR	\$1,014.74	\$527.99	\$486.75	Y	2.5
435629	VORTEX MONTHLY PM	06/5/2020 10:00	06/5/2020 11:30	VOR A - BARRE STREET	\$420.70	\$155.20	\$265.50	Y	1.5
434103	VORTEX MONTHLY PM	06/5/2020 12:00	06/5/2020 02:30	Vortex " E " (Market Street)	\$285.45	\$137.95	\$147.50	Y	0.0
435500	VORTEX MONTHLY PM	06/8/2020 07:15	06/8/2020 09:00	VOR H - SOUTH ST	\$222.22	\$118.97	\$103.25	Y	0.0
431182	VORTEX MONTHLY PM	06/8/2020 09:00	06/8/2020 10:00	VOR O - DANIEL ISLAND TREATM	\$126.98	\$67.98	\$59.00	Y	0.0
435637	VORTEX MONTHLY PM	06/9/2020 07:15	06/9/2020 10:30	VOR B - COLONIAL LAKE	\$1,265.49	\$690.24	\$575.25	Y	0.0
434601	VORTEX MONTHLY PM	06/9/2020 01:00	06/9/2020 02:00	VOR D - CALHOUN STREET	\$290.57	\$172.57	\$118.00	Y	0.0
435926	VORTEX MONTHLY PM	06/12/2020 10:0	06/12/2020 12:00	VOR A - BARRE STREET	\$559.02	\$323.02	\$236.00	Y	2.0
434156	VORTEX MONTHLY PM	06/15/2020 07:1	06/15/2020 09:00	VOR H1 - SOUTH ST BAR SCREE	\$222.22	\$118.97	\$103.25	Y	0.0
435211	VORTEX MONTHLY PM	06/15/2020 09:0	06/15/2020 10:00	VOR M - BEE ST	\$126.98	\$67.98	\$59.00	Y	0.0
434889	VORTEX MONTHLY PM	06/19/2020 07:1	06/19/2020 10:00	VOR V1 - CROGHAN SPUR	\$605.50	\$443.25	\$162.25	Y	2.0
434528	VORTEX MONTHLY PM	06/24/2020 07:1	06/24/2020 09:00	VOR O - DANIEL ISLAND TREATM	\$222.22	\$118.97	\$103.25	Y	0.0
436376	VORTEX MONTHLY PM	06/29/2020 07:1	06/29/2020 10:30	VOR V1 - CROGHAN SPUR	\$615.19	\$429.34	\$185.85	Y	2.0
436851	VORTEX MONTHLY PM	06/29/2020 10:3	06/29/2020 11:30	VOR M - BEE ST	\$243.68	\$125.68	\$118.00	Y	0.0
436239	VORTEX MONTHLY PM	06/29/2020 12:0	06/29/2020 01:00	VOR V3 ALBERMARLE POINT DR	\$254.30	\$136.30	\$118.00	Y	0.0
435889	VORTEX MONTHLY PM	07/2/2020 07:15	07/2/2020 11:00	VOR V1 - CROGHAN SPUR	\$476.19	\$254.94	\$221.25	Y	2.5
436553	VORTEX MONTHLY PM	07/6/2020 07:15	07/6/2020 09:00	VOR D - CALHOUN STREET	\$222.22	\$118.97	\$103.25	Y	0.0

Wipes Vortex Cleaning

January 1 - April 28, 2021

Work Order Id	Description	Actual Start	Actual Finish	Address	Total Cost	Labor Cost	Equipment Cost	Rag Accumulation	# of Wheelbarrows
436204	VORTEX MONTHLY PM	07/6/2020 09:00	07/6/2020 10:00	VOR F - SOUTH ADGER WHARF	\$126.98	\$67.98	\$59.00	Y	0.0
436240	VORTEX MONTHLY PM	07/6/2020 10:00	07/6/2020 11:00	VOR L - WATER ST	\$126.98	\$67.98	\$59.00	Y	0.0
437129	VORTEX MONTHLY PM	07/7/2020 07:15	07/7/2020 10:00	VOR V1 - CROGHAN SPUR	\$418.54	\$256.29	\$162.25	Y	2.5
436803	VORTEX MONTHLY PM	07/7/2020 10:00	07/7/2020 12:00	VOR A - BARRE STREET	\$304.40	\$186.40	\$118.00	Y	2.0
435053	VORTEX MONTHLY PM	07/7/2020 12:30	07/7/2020 02:00	VOR M - BEE ST	\$197.36	\$99.86	\$97.50	Y	1.5
436381	VORTEX MONTHLY PM	07/10/2020 07:15	07/10/2020 10:00	VOR A - BARRE STREET	\$0.00	\$0.00	\$0.00	Y	1.0
435628	VORTEX MONTHLY PM	07/10/2020 07:15	07/10/2020 10:00	VOR K- HUGER ST	\$418.54	\$256.29	\$162.25	Y	1.0
437810	VORTEX MONTHLY PM	07/10/2020 10:00	07/10/2020 11:30	VOR V1 - CROGHAN SPUR	\$228.30	\$139.80	\$88.50	Y	1.0
437593	VORTEX MONTHLY PM	07/22/2020 07:15	07/22/2020 10:00	VOR V1 - CROGHAN SPUR	\$682.42	\$358.51	\$323.91	Y	2.0
436040	VORTEX MONTHLY PM	07/22/2020 10:00	07/22/2020 12:00	VOR A - BARRE STREET	\$496.74	\$260.74	\$236.00	Y	1.0
434527	VORTEX MONTHLY PM	07/23/2020 07:15	07/23/2020 09:00	VOR O - DANIEL ISLAND TREATM	\$277.47	\$174.22	\$103.25	Y	0.0
436434	VORTEX MONTHLY PM	07/23/2020 09:00	07/23/2020 10:00	VOR H - SOUTH ST	\$99.55	\$99.55	\$0.00	Y	0.0
436525	VORTEX MONTHLY PM	07/23/2020 10:00	07/23/2020 12:00	VOR B - COLIONAL LAKE	\$317.11	\$199.11	\$118.00	Y	1.5
435887	VORTEX MONTHLY PM	07/28/2020 07:15	07/28/2020 09:00	VOR V1 - CROGHAN SPUR	\$222.22	\$118.97	\$103.25	Y	1.0
439460	Vortex Cleaning	07/29/2020 07:15	07/29/2020 10:00	MORRISON DR	\$526.76	\$358.51	\$168.25	Y	0.0
436050	VORTEX MONTHLY PM	07/29/2020 10:00	07/29/2020 11:30	AMERICA/LEE STREET	\$227.87	\$130.37	\$97.50	Y	0.0
438020	VORTEX MONTHLY PM	07/31/2020 10:00	07/31/2020 12:00	VOR A - BARRE STREET	\$304.40	\$186.40	\$118.00	Y	2.0
439108	VORTEX MONTHLY PM	07/31/2020 12:30	07/31/2020 02:00	VOR B - COLIONAL LAKE	\$228.30	\$139.80	\$88.50	Y	1.5
438628	VORTEX MONTHLY PM	08/13/2020 09:00	08/13/2020 10:00	VOR V3 ALBERMARLE POINT DR	\$126.98	\$67.98	\$59.00	Y	0.0
430714	VORTEX MONTHLY PM	08/14/2020 12:30	08/14/2020 02:00	VOR C - COUNCIL STREET	\$190.48	\$101.98	\$88.50	Y	0.0
438006	VORTEX MONTHLY PM	08/17/2020 07:15	08/17/2020 10:00	VOR V1 - CROGHAN SPUR	\$520.76	\$358.51	\$162.25	Y	2.0
439543	VORTEX MONTHLY PM	08/17/2020 10:00	08/17/2020 12:00	VOR A - BARRE STREET	\$260.74	\$260.74	\$0.00	Y	1.5
438331	VORTEX MONTHLY PM	08/21/2020 07:15	08/21/2020 09:00	VOR K- HUGER ST	\$189.37	\$130.37	\$59.00	Y	0.0
439007	VORTEX MONTHLY PM	08/21/2020 09:00	08/21/2020 11:00	VOR V1 - CROGHAN SPUR	\$306.74	\$260.74	\$46.00	Y	2.0
438329	VORTEX MONTHLY PM	08/21/2020 11:30	08/21/2020 01:30	VOR A - BARRE STREET	\$378.74	\$260.74	\$118.00	Y	2.0
440840	VORTEX MONTHLY PM	08/25/2020 01:00	08/25/2020 03:00	VOR K- HUGER ST	\$378.74	\$260.74	\$118.00	Y	1.0
439083	VORTEX MONTHLY PM	08/27/2020 12:30	08/27/2020 01:30	VOR H - SOUTH ST	\$126.98	\$67.98	\$59.00	Y	0.0
437932	VORTEX MONTHLY PM	08/27/2020 01:30	08/27/2020 03:00	VOR L - WATER ST	\$161.34	\$72.84	\$88.50	Y	0.0
439548	VORTEX MONTHLY PM	09/1/2020 07:15	09/1/2020 10:00	VOR B - COLIONAL LAKE	\$295.79	\$133.54	\$162.25	Y	0.0
437927	VORTEX MONTHLY PM	09/1/2020 10:00	09/1/2020 11:30	VOR F - SOUTH ADGER WHARF	\$190.48	\$101.98	\$88.50	Y	0.0
438332	VORTEX MONTHLY PM	09/3/2020 07:15	09/3/2020 10:00	VOR V1 - CROGHAN SPUR	\$341.03	\$341.03	\$0.00	Y	2.0
440295	VORTEX MONTHLY PM	09/4/2020 07:15	09/4/2020 10:00	VOR A - BARRE STREET	\$349.21	\$186.96	\$162.25	Y	2.0
439340	VORTEX MONTHLY PM	09/9/2020 07:15	09/9/2020 10:00	VOR V1 - CROGHAN SPUR	\$575.41	\$413.16	\$162.25	Y	2.0
441285	VORTEX MONTHLY PM	09/9/2020 10:00	09/9/2020 11:00	VOR B - COLIONAL LAKE	\$195.72	\$136.72	\$59.00	Y	1.0
441002	VORTEX MONTHLY PM	09/9/2020 11:00	09/9/2020 12:00	VOR K- HUGER ST	\$136.72	\$136.72	\$0.00	Y	2.0
440410	VORTEX MONTHLY PM	09/11/2020 07:15	09/11/2020 10:00	VOR C - COUNCIL STREET	\$451.42	\$289.17	\$162.25	Y	1.0
440844	VORTEX MONTHLY PM	09/11/2020 10:00	09/11/2020 12:30	VOR A - BARRE STREET	\$473.42	\$325.92	\$147.50	Y	2.5
439114	VORTEX MONTHLY PM	09/15/2020 07:15	09/15/2020 12:00	VOR O - DANIEL ISLAND TREATM	\$899.50	\$619.25	\$280.25	Y	3.5

Wipes Vortex Cleaning

January 1 - April 28, 2021

Work Order Id	Description	Actual Start	Actual Finish	Address	Total Cost	Labor Cost	Equipment Cost	Rag Accumulation	# of Wheelbarrows
439461	VORTEX MONTHLY PM	9/15/2020 12:3	09/15/2020 02:00	VOR J - AMERICA/LEE STREET	\$278.98	\$101.98	\$177.00	Y	1.0
441711	VORTEX MONTHLY PM	9/16/2020 12:3	09/16/2020 01:30	VOR K - HUGER ST	\$189.37	\$130.37	\$59.00	Y	0.0
440475	VORTEX MONTHLY PM	9/17/2020 10:0	09/17/2020 11:00	VOR A - BARRE STREET	\$248.37	\$130.37	\$118.00	Y	1.0
441709	VORTEX MONTHLY PM	9/17/2020 11:0	09/17/2020 12:00	VOR B - COLIONAL LAKE	\$248.37	\$130.37	\$118.00	Y	0.0
437924	VORTEX MONTHLY PM	9/18/2020 09:0	09/18/2020 10:00	VOR D - CALHOUN STREET	\$126.98	\$67.98	\$59.00	Y	0.0
440470	VORTEX MONTHLY PM	9/24/2020 09:0	09/24/2020 11:30	VOR V1 - CROGHAN SPUR	\$473.42	\$325.92	\$147.50	Y	2.5
441538	VORTEX MONTHLY PM	9/24/2020 12:0	09/24/2020 02:00	VOR A - BARRE STREET	\$378.74	\$260.74	\$118.00	Y	2.0
440821	VORTEX MONTHLY PM	9/29/2020 07:1	09/29/2020 10:00	VOR V1 - CROGHAN SPUR	\$683.01	\$358.51	\$324.50	Y	3.0
437600	VORTEX MONTHLY PM	9/29/2020 10:0	09/29/2020 11:30	VOR M - BEE ST	\$372.55	\$195.55	\$177.00	Y	1.5
441829	VORTEX MONTHLY PM	10/5/2020 10:00	10/5/2020 11:30	VOR A - BARRE STREET	\$345.82	\$168.82	\$177.00	Y	2.0
442899	VORTEX MONTHLY PM	10/9/2020 07:15	10/9/2020 11:00	VOR V1 - CROGHAN SPUR	\$710.13	\$488.88	\$221.25	Y	3.0
441106	VORTEX MONTHLY PM	10/9/2020 11:00	10/9/2020 12:00	VOR H - SOUTH ST	\$130.37	\$130.37	\$0.00	Y	1.0
442006	VORTEX MONTHLY PM	10/9/2020 12:30	10/9/2020 01:30	VOR J - AMERICA/LEE STREET	\$130.37	\$130.37	\$0.00	Y	0.0
441822	VORTEX MONTHLY PM	10/20/2020 12:3	10/20/2020 01:30	VOR C - COUNCIL STREET	\$126.98	\$67.98	\$59.00	Y	0.0
441108	VORTEX MONTHLY PM	10/20/2020 01:3	10/20/2020 03:00	VOR L - WATER ST	\$174.55	\$86.05	\$88.50	Y	0.0
442659	VORTEX MONTHLY PM	10/21/2020 07:1	10/21/2020 10:00	VOR V1 - CROGHAN SPUR	\$520.76	\$358.51	\$162.25	Y	2.5
442211	VORTEX MONTHLY PM	10/21/2020 10:0	10/21/2020 12:00	VOR A - BARRE STREET	\$378.74	\$260.74	\$118.00	Y	2.5
443470	VORTEX MONTHLY PM	11/4/2020 07:15	11/4/2020 10:00	VOR V1 - CROGHAN SPUR	\$710.64	\$386.14	\$324.50	Y	2.5
442294	VORTEX MONTHLY PM	11/4/2020 10:00	11/4/2020 11:30	VOR B - COLIONAL LAKE	\$299.12	\$210.62	\$88.50	Y	1.5
442314	VORTEX MONTHLY PM	11/4/2020 12:00	11/4/2020 01:00	VOR D - CALHOUN STREET	\$199.41	\$140.41	\$59.00	Y	0.0
436875	VORTEX MONTHLY PM	11/6/2020 07:15	11/6/2020 03:00	VORTEX "G" (CROSSTOWN)	\$1,249.46	\$1,249.46	\$0.00	Y	0.0
445012	Vortex Cleaning	11/9/2020 07:15	11/9/2020 03:00	Crosstown Vortex	\$1,770.09	\$871.09	\$899.00	Y	0.0
441286	VORTEX MONTHLY PM	11/12/2020 07:1	11/12/2020 09:30	VOR F - SOUTH ADGER WHARF	\$277.69	\$150.84	\$126.85	Y	0.0
443473	VORTEX MONTHLY PM	11/12/2020 09:3	11/12/2020 12:00	VOR H - SOUTH ST	\$322.89	\$175.39	\$147.50	Y	0.0
443489	VORTEX MONTHLY PM	11/12/2020 12:0	11/12/2020 01:00	VOR V3 ALBERMARLE POINT DR	\$129.16	\$70.16	\$59.00	Y	0.0
444060	VORTEX MONTHLY PM	11/12/2020 01:0	11/12/2020 03:00	VOR C - COUNCIL STREET	\$258.31	\$140.31	\$118.00	Y	0.0
441463	VORTEX MONTHLY PM	11/17/2020 07:1	11/17/2020 10:00	VOR V1 - CROGHAN SPUR	\$447.11	\$447.11	\$0.00	Y	2.5
442121	VORTEX MONTHLY PM	11/17/2020 12:0	11/17/2020 02:00	VOR K - HUGER ST	\$344.68	\$344.68	\$0.00	Y	2.0
443488	VORTEX MONTHLY PM	11/23/2020 10:0	11/23/2020 12:00	VOR J - AMERICA/LEE STREET	\$314.65	\$184.65	\$130.00	Y	0.0
441706	VORTEX MONTHLY PM	11/24/2020 07:1	11/24/2020 10:00	VOR V1 - CROGHAN SPUR	\$710.64	\$386.14	\$324.50	Y	2.5
435394	VORTEX MONTHLY PM	11/24/2020 10:0	11/24/2020 12:00	VOR M - BEE ST	\$516.83	\$280.83	\$236.00	Y	2.5
442660	VORTEX MONTHLY PM	12/11/2020 07:1	12/11/2020 12:30	VOR A - BARRE STREET	\$1,555.78	\$904.78	\$651.00	Y	3.5
444061	VORTEX MONTHLY PM	12/15/2020 07:1	12/15/2020 10:00	VOR L - WATER ST	\$355.18	\$192.93	\$162.25	Y	0.0
445220	VORTEX MONTHLY PM	12/15/2020 10:0	12/15/2020 11:00	VOR V3 ALBERMARLE POINT DR	\$129.16	\$70.16	\$59.00	Y	0.0
					\$68,104.71	\$42,749.85	\$25,354.86	201.6	

Wipes Vortex Cleaning

January 1 - April 28, 2021

Work Order Id	Description	Actual Start	Actual Finish	Address	Total Cost	Labor Cost	Equipment Cost	Rag Accumulation	# of Wheelbarrows
			# Workorders			186			
			# Wheelbarrows			201.6			
			Labor Cost	\$		42,749.85			
			Material Cost	\$		-			
			Equipment Cost	\$		25,354.86			
						\$68,104.71			

Wipes Mainline Blockages

January 1 - April 28, 2021

Work Order Id	Desc.	Priority	Status	Submit To	Actual Start	Actual Finish	Address	Labor Cost	Equip. Cost	TYPE OF BLOCKAGE	HEAVY/MEDIUM/LIGHT	CALL OUT
429171	Clear Main Blockage	5	CLOSED	BOLTON, CLAYTON A	01/2/2020 01:15	01/2/2020 03:00	138 WENTWORTH S	\$46.46	\$23.00	GREASE & RAGS	HEAVY	Y
430338	Clear Main Blockage	5	CLOSED	BOLTON, CLAYTON A	01/22/2020 06:00	01/22/2020 09:30	129 N ROMNEY ST	\$169.96	\$80.50	GREASE & RAGS	HEAVY	Y
430653	Clear Main Blockage	5	CLOSED	BOLTON, CLAYTON A	01/28/2020 03:00	01/28/2020 05:00	FUSELER RD	\$97.12	\$46.00	RAGS	MEDIUM	Y
431939	Clear Main Blockage	5	CLOSED	BOLTON, CLAYTON A	02/17/2020 06:00	02/17/2020 09:30	37 SMITH ST	\$169.96	\$80.50	GREASE & RAGS	MEDIUM	Y
432243	Clear Main Blockage	5	CLOSED	BOLTON, CLAYTON A	02/21/2020 04:00	02/21/2020 05:00	525 KING ST	\$48.56	\$23.00	RAGS	HEAVY	Y
432484	Clear Main Blockage	5	CLOSED	BOLTON, CLAYTON A	02/26/2020 06:00	02/26/2020 08:00	51 NASSAU STREET	\$97.12	\$46.00	GREASE & RAGS	MEDIUM	Y
432652	Clear Main Blockage	5	CLOSED	BOLTON, CLAYTON A	02/28/2020 04:00	02/28/2020 05:00	SMITH ST	\$53.10	\$23.00	RAGS	MEDIUM	N
434145	Clear Main Blockage	5	CLOSED	BOLTON, CLAYTON A	04/1/2020 06:00	04/1/2020 08:30	Corner of Bogard & K	\$121.40	\$57.50	GREASE & RAGS	MEDIUM	Y
434291	Clear Main Blockage	5	CLOSED	BOLTON, CLAYTON A	04/6/2020 11:30	04/6/2020 12:30	209 EASTBAY ST.	\$61.63	\$23.00	GREASE	MEDIUM	N
434590	Clear Main Blockage	5	CLOSED	BOLTON, CLAYTON A	04/16/2020 05:00	04/16/2020 06:30	721 CARTWRIGHT D	\$72.84	\$34.50	GREASE & RAGS	MEDIUM	Y
435101	Clear Main Blockage	5	CLOSED	BOLTON, CLAYTON A	05/1/2020 05:00	05/1/2020 06:00	BLAKE STREET AT E	\$53.10	\$23.00	GREASE & RAGS	HEAVY	Y
436634	Clear Main Blockage	5	CLOSED	BOLTON, CLAYTON A	06/10/2020 01:00	06/10/2020 03:00	194 seven farms	\$80.04	\$118.00	RAGS	heavy	N
436740	Clear Main Blockage	5	CLOSED	BOLTON, CLAYTON A	06/11/2020 07:00	06/11/2020 09:30	65 GEORGE ST	\$121.40	\$72.50	RAGS	MEDIUM	Y
439583	Clear Main Blockage	5	CLOSED	BOLTON, CLAYTON A	07/31/2020 03:30	07/31/2020 07:30	51 BARRE ST, 29401	\$176.08	\$92.00	HEAVY RAGS	med	Y
441408	Clear Main Blockage	5	CLOSED	BOLTON, CLAYTON A	09/2/2020 06:00	09/2/2020 09:30	205 MEETING ST	\$169.96	\$87.00	RAGS & GREASE	MEDIUM	Y
441492	Clear Main Blockage	5	CLOSED	BOLTON, CLAYTON A	09/3/2020 06:00	09/3/2020 09:30	EAST BAY ST / COO	\$169.96	\$87.00	GREASE & RAGS	MEDIUM	Y
441658	Clear Main Blockage	5	CLOSED	BOLTON, CLAYTON A	09/8/2020 04:00	09/8/2020 05:00	3 SOUTH ST	\$48.56	\$29.00	GREASE & RAGS	MEDIUM	Y
444585	Clear Main Blockage	5	CLOSED	BOLTON, CLAYTON A	11/2/2020 07:15	11/2/2020 01:30	Horizon St.	\$403.40	\$339.25	GREASE and RAGS	heavy	N
445340	Clear Main Blockage	5	CLOSED	BOLTON, CLAYTON A	11/13/2020 04:30	11/13/2020 06:15	348 ASHLEY AVE	\$69.58	\$29.00	RAGS	MEDIUM	Y
445509	Clear Main Blockage	5	CLOSED	BOLTON, CLAYTON A	11/17/2020 03:30	11/17/2020 05:00	ALLWAY ST	\$81.27	\$34.50	RAGS & GREASE	HEAVY	N
445599	Clear Main Blockage	5	CLOSED	BOLTON, CLAYTON A	11/18/2020 04:00	11/18/2020 05:00	281 EAST SHORE LN	\$45.24	\$23.00	RAGS	HEAVY	Y

Wipes Mainline Blockages

January 1 - April 28, 2021

Work Order Id	Desc.	Priority	Status	Submit To	Actual Start	Actual Finish	Address	Labor Cost	Equip. Cost	TYPE OF BLOCKAGE	HEAVY/MEDIUM/LIGHT	CALL OUT
447949	Clear Main Blockage	5	CLOSED	BOLTON, CLAYTON A	01/8/2021 12:00	01/8/2021 03:00	115 Magnolia Rd	\$211.63	\$81.00	GREASE AND RAGS	heavy	Y
448420	Clear Main Blockage	5	CLOSED	BOLTON, CLAYTON A	01/19/2021 04:00	01/19/2021 05:00	1854 ASHLEY RIVER	\$49.26	\$29.00	RAGS	MEDIUM	Y
448424	Clear Main Blockage	5	CLOSED	BOLTON, CLAYTON A	01/19/2021 07:00	01/19/2021 09:00	362 PARKDALE DR	\$98.52	\$58.00	RAGS	MEDIUM	Y
450178	Clear Main Blockage	5	CLOSED	BOLTON, CLAYTON A	02/16/2021 03:00	02/16/2021 04:00	66 GEORGE ST	\$49.26	\$29.00	RAGS	HEAVY	Y
450179	Clear Main Blockage	5	CLOSED	BOLTON, CLAYTON A	02/16/2021 04:00	02/16/2021 05:00	5 JACKSON ST	\$49.26	\$29.00	RAGS	HEAVY	Y
450267	Clear Main Blockage	5	CLOSED	BOLTON, CLAYTON A	02/17/2021 06:00	02/17/2021 08:30	5 Jackson St Apt K	\$123.15	\$72.50	GREASE & RAGS	HEAVY	Y
451957	Clear Main Blockage	5	CLOSED	BOLTON, CLAYTON A	03/18/2021 06:00	03/18/2021 08:30	1871 JAYWOOD CIR	\$115.17	\$58.00	GREASE & RAGS	HEAVY	Y
452738	Clear Main Blockage	5	CLOSED	BOLTON, CLAYTON A	03/31/2021 02:00	03/31/2021 04:00	AMERICA ST / SOUT	\$98.52	\$58.00	RAGS	MEDIUM	Y
								\$3,151.51	\$1,785.75			

# Workorders	29
Labor Cost	\$ 3,151.51
Material Cost	\$ -
Equipment Cost	\$ 1,785.75
	\$ 4,937.26

Wipes Pump Clogs/Failures

January 1 - April 28, 2021

Work Order Id	Description	Submit To	Actual Start	Actual Finish	Location	Project	Labor Cost	Equip. Cost	Comments
447745	Pump Repairs	ANDERSON, KENNETH A	01/5/2021 06:00	01/5/2021 09:30	212 Beresford Creek Street	Wastewater	\$174.78	\$0.00	PULLED #2 HAD RAGS IN IMPELLER
447916	Pump Station Miscellaneous	Rushton, Phillip G	01/8/2021 06:00	01/8/2021 02:00	VARIOUS PS	Wastewater	\$416.48	\$45.00	PICK UP TRUCK #23501 FROM CAROLINA RIGGING. PS 07,PULL PUMP #2,REMOVE RAGS FROM BEHIND IMPELLER. PS 13,07,63,19,STATION CHECK,REPLACE LOG BOOKS.
448240	Pump Station Unscheduled Check	Rushton, Phillip G	01/14/2021 03:30	01/14/2021 07:00	855 Birkenhead Drive	Wastewater	\$194.36	\$42.00	PS FF1,CUSTOMER CALLED DISPATCH WATER COMING OUT OF GROUND BY PS.BLOCKAGE IN LINE,CALLED IN VAC CREW,THEY CLEARED LINE. PUMP#2 TRIPED DUE TO RAGS,PULLED BACK OFF PUMP REMOVED RAGS,PUMP BACK ON LINE. PS 166,RESET FTS.
448359	Pump Repairs	ANDERSON, KENNETH A	01/19/2021 06:00	01/19/2021 02:00	911 Savage Road	Wastewater	\$374.53	\$45.00	#1 and #3 had rags in the impeller
448701	Pump Repairs	KNOX, GREGORY T	01/22/2021 06:00	01/22/2021 02:00	ps misc	Wastewater	\$369.45	\$435.00	ps 64 #2 rags and PS P #2 runability
448748	Pump Station Miscellaneous	MCLAUGHLIN III, RALPH V	01/25/2021 06:00	01/25/2021 10:00	715 Cartwright Drive	Wastewater	\$194.24	\$232.00	rags on floats and transducer
449176	Pump Station Unscheduled Check	CARLSON, LAWRENCE E	01/31/2021 11:00	01/31/2021 03:00	911 Savage Road	Wastewater	\$214.56	\$168.00	PUMP #1 & #3 WERE NOT PUMPING, CLEANED RAGS OUT OF BOTH PUMPS AND REPRIMED. #1 PUMP IMPELLER HAS A HALF INCH CAP IN THE CLEARANCES.
449375	Pump Station Miscellaneous	KNOX, GREGORY T	02/3/2021 06:00	02/3/2021 09:00	3381 Glenn McConnell Parkway	Wastewater	\$147.78	\$174.00	#2 full of rags and debris. sent email requesting wet well be cleaned.
449562	Pump Station Repair (Misc)	Driggers, Thomas J	02/5/2021 06:00	02/5/2021 02:00	1822 Belgrade Street	Wastewater	\$369.45	\$45.00	P2 long run times/ cleaned check valves on p1 and p2/ cleaned impellers/ removed rags///
449820	Pump Repairs	ANDERSON, KENNETH A	02/10/2021 12:00	02/10/2021 02:00	911 Savage Road	Wastewater	\$99.87	\$12.00	#2 had rags in the flapper

Wipes Pump Clogs/Failures

January 1 - April 28, 2021

Work Order Id	Description	Submit To	Actual Start	Actual Finish	Location	Project	Labor Cost	Equip. Cost	Comments
450125	Pump Station Miscellaneous	Rushton, Phillip G	02/15/2021 06:00	02/15/2021 05:30	VARIOUS PS	Wastewater	\$721.68	\$96.00	PS 90,REMOVE RAGS FROM PUMP#1,PUT BACK IN ROTATION CYCLE. PS 01,TURNOVER FROM CREW 341,MAN PS & TURN ON WHEN STREET CREW FINISHED FOR THE DAY.
450215	Pump Station Miscellaneous	Rushton, Phillip G	02/17/2021 06:00	02/17/2021 05:00	22 Tenth Street	Wastewater	\$933.71	\$654.00	PS 01,MAN PS FOR STREET CREW. PUMP#1,REMOVE RAGS FROM IMPELLER & WEAR PLATE.
450288	Pump Station Miscellaneous	MCLAUGHLIN III, RALPH V	02/18/2021 06:00	02/18/2021 12:00	various	Wastewater	\$375.44	\$584.00	ps ee rags pump 2, ps 39 replace sump pump
450289	Pump Station Miscellaneous	ANDERSON, KENNETH A	02/18/2021 06:00	02/18/2021 02:00	VARIOUS PS	Wastewater	\$458.45	\$480.00	PS S #2 RAGS IN THE IMPELLER AND PS 90 INSTALLED NEW LIGHTS AND TOOK OUT THE OLD FLOW MONITOR AND INSTALLED A NEW NIPPLE ,VALVE
450559	Pump Station Miscellaneous	CARLSON, LAWRENCE E	02/23/2021 06:00	02/23/2021 02:00	VARIOUS PS	Wastewater	\$406.35	\$270.00	PS EE #2 PUMP CLEANED RAGS OUT OF IMPELLER AND CHECKED AMPS BEFORE AND AFTER AND BOTH PUMPS RANGE FROM 39 AMPS TO 41 AMPS. PS BB #2 PUMP WAS NOT PUMPING BACK FLUSHED AND INSTALLED NEW 4" FLAPPER AND PRIMED PUMP.
450561	Pump Station Miscellaneous	MCLAUGHLIN III, RALPH V	02/23/2021 06:00	02/23/2021 02:00	various	Wastewater	\$364.20	\$435.00	ps f pull rags pump 2 and replace starter, p/u new motors for ps 48
450721	Pump Station Miscellaneous	CARLSON, LAWRENCE E	02/25/2021 06:00	02/25/2021 09:30	2659 (UT) Lake Myrtle Drive	Wastewater	\$189.63	\$126.00	PULLED #2 PUMP CLEANED RAGS OUT OF IMPELLER TOOK IMPELLER OFF TO CHECK FOR DEBRIS BEHIND IT, NOTHING BEHIND IT. SWITCHED LEADS FROM #2 TO#1 PUMP TO SEE IF IT FOLLOWS THE PUMP, ALSO ORDERED NEW SET OF HEATERS FOR BOTH MOTOR STARTERS.
450965	Pump Station Miscellaneous	MCLAUGHLIN III, RALPH V	03/2/2021 06:00	03/2/2021 02:00	various	Wastewater	\$364.20	\$435.00	ps f rags pump 1 and starter, ps 188 check plc outputs, ps 166 check plc outputs
451245	Pump Station Miscellaneous	ANDERSON, KENNETH A	03/8/2021 06:00	03/8/2021 02:00	VARIOUS PS	Wastewater	\$624.73	\$525.00	PS 123 PULLED #2 PUMP HAD RAGS IN THE IMPELLER. PS 60 PULLED #2 PUMP HAD RAGS IN THE IMPELLER. PS 78 WORKED ON THE ELECTRICAL FOR NEW CONTROL PANEL
451338	Pump Station Miscellaneous	Driggers, Thomas J	03/8/2021 12:00	03/8/2021 02:00	PS F	Wastewater	\$98.52	\$30.00	P2 failure// Removed rags from impeller on P2 reset UPS//

Wipes Pump Clogs/Failures

January 1 - April 28, 2021

Work Order Id	Description	Submit To	Actual Start	Actual Finish	Location	Project	Labor Cost	Equip. Cost	Comments
451351	Pump Station Miscellaneous	Driggers, Thomas J	03/9/2021 06:00	03/9/2021 02:00	PS 10	Wastewater	\$369.45	\$112.50	P2 failure// amped, pulled pump no rags, pulled p1 and did wire burn search over wiring found main L#3 heated and top of motor starter breaker flash arched and missing housing// pump runs after reset and cleaning // contacted RM ect for follow up on
451572	Pump Station Miscellaneous	MCLAUGHLIN III, RALPH V	03/11/2021 10:00	03/11/2021 02:00	various	Wastewater	\$169.96	\$203.00	ps 77 sump pump reinstall, ps f rags pump 1
451570	Pump Station Miscellaneous	KNOX, GREGORY T	03/11/2021 11:30	03/11/2021 02:00	2820 Murraywood Drive	Wastewater	\$190.88	\$145.00	rags in #1
451776	Pump Station Miscellaneous	KNOX, GREGORY T	03/15/2021 09:00	03/15/2021 02:00	ps misc	Wastewater	\$343.58	\$328.50	ps 138 #1 cleared rags, ff2 #1 cleared rags and re installed check valve arm, 71 #2 cleared dish towel and wood that was lodged in the ball check preventing it from closing
451893	Pump Station Miscellaneous	Driggers, Thomas J	03/17/2021 06:00	03/17/2021 02:00	VARIOUS PS	Wastewater	\$369.45	\$112.50	PS 90- P1 LONG RUNTIMES /PULLED RAGS OUT OF IMPELLER PS 97- ROUTINE STATION CHECK PS 118- P2 PUMP FTS / TROUBLE SHOOTING ALL MECHANICAL AND ELECTRICAL /WOULD NOT RUN IN AUTO/ CALLED ECT RM TO HELP TROUBLESHOOT/ AUTO START RELAY IS MALFUNCTIONING NEE
451995	Pump Station Miscellaneous	ANDERSON, KENNETH A	03/19/2021 06:00	03/19/2021 02:00	various ps	Wastewater	\$374.53	\$45.00	PS 124 PULLED #1 PUMP FOUND RAGS IN THE IMPELLER AND PS 180 DID A DRAW DOWN TEST
452052	Pump Station Unscheduled Check	Driggers, Thomas J	03/21/2021 08:00	03/22/2021 01:30	PS P	Wastewater	\$270.93	\$66.00	PS P- Faults LAH & HI FLOAT BOTH PUMPS NOT PUMPING//CALLOUT TO REMOVE RAGS ,SET CLEARANCES, INSPECT AND TROUBLESHOOT WET WELL LEVEL//PUMPS WILL NOT PUMP BYPASS SOLUTIONS AND FM ADDITIONAL INSPECTIONS IN THE MORNING//MONITORED SYSTEM LEVELS///
452054	Pump Station Miscellaneous	MOORE, DANIEL W	03/22/2021 06:00	03/22/2021 02:00	various locations	Wastewater	\$416.48	\$435.00	pump station 124 pulled #2 pump cleaned rags out and removed the wear ring. pump station 172 cleaned both motor starter contacts.
452475	Pump Station Unscheduled Check	KNOX, GREGORY T	03/28/2021 04:00	03/28/2021 08:00	23 Two Loch Place	Wastewater	\$197.04	\$48.00	pump 1 and 2 failure. rags in both. cleared and and running fie

Wipes Pump Clogs/Failures

January 1 - April 28, 2021

Work Order Id	Description	Submit To	Actual Start	Actual Finish	Location	Project	Labor Cost	Equip. Cost	Comments
452513	Pump Station Miscellaneous	Driggers, Thomas J	03/29/2021 06:00	03/29/2021 02:00	Various PS	Wastewater	\$369.45	\$112.50	PS 44; P2 FAILURE /AMP TESTED //PULLED RAGS OUT OF P2 AND CHECK VALVE/ P1 AND CHECK VALVE HAD RAGS INBOTH IMPELLER AND CHECK VALVE ASWELL//PS CHECKS COMPLETED ON PS 34,PS A,PS B,PS 70, AND PS 45//
452492	Pump Station Miscellaneous	ANDERSON, KENNETH A	03/29/2021 06:00	03/29/2021 02:00	VARIOUS PS	Wastewater	\$374.53	\$45.00	PS 175 PULLED #1 PUMP HAD RAGS IN THE IMPELLER
452680	Pump Station Miscellaneous	ANDERSON, KENNETH A	03/31/2021 06:00	03/31/2021 02:00	VARIOUS PS	Wastewater	\$374.53	\$45.00	PS 124 PULLED #1 HAD RAGS IN THE IMPELLER
453263	Pump Station Miscellaneous	CARLSON, LAWRENCE E	04/9/2021 10:00	04/9/2021 02:00	VARIOUS	Wastewater	\$189.63	\$126.00	PS X CLEANED RAGS OUT OF #2 PUMP AND RE-PRIMED, CHECKED ODOR CONTROL UNIT PH 2.0,CHECKED OUT 4" BY-PASS PUMP USED FOR DOWDEN COURT. PS R ASSISTED WITH #2PUMP.
453303	Pump Station Miscellaneous	KNOX, GREGORY T	04/12/2021 06:00	04/12/2021 02:00	ps misc	Wastewater	\$369.45	\$112.50	cleared rags and reprimed both pumps at 64 removed rags #1 at 86
454066	Pump Station Miscellaneous	CARLSON, LAWRENCE E	04/22/2021 06:00	04/22/2021 10:00	911 Savage Road	Wastewater	\$325.08	\$168.00	CLEANED RAGS OUT AND INSTALLED NEW 12"FLAPPER IN #1 PUMP
454246	Pump Station Miscellaneous	Driggers, Thomas J	04/26/2021 06:00	04/26/2021 02:00	Various PS	Wastewater	\$369.45	\$112.50	PS 27 FTS P1 PULLED PUMP REMOVED RAGS/RESET SCADA//PS GG PS 36 PS 35 PS 138 PS B1 COMPLETED STATION CHECKS///
454451	Pump Station Miscellaneous	MOORE, DANIEL W	04/29/2021 06:00	04/29/2021 02:00	various locations	Wastewater	\$409.37	\$428.04	pump station 89 johns Island reset comm. fail and trouble shooting a/c --adj. t. stat pump station 07 johns island pump 1 fail to start found rags behind the impeller after removing impeller , also found rags behind the #2 impeller both pumps working
							\$12,576.17	\$7,478.04	
			# WO's	37					
			Labor Cost	\$	12,576.17				
			Material Cost	\$	-				
			Equipment Cost	\$	7,478.04				
				\$	20,054.21				

**EADIE'S
INDUSTRIAL, INC.****Invoice****VACUUM ~ WATER BLASTING****P.O. Box 275****Ridgeville, SC 29472**

(843) 821-9222

(843) 821-9262

Date	Invoice No.
4/16/2021	EI 07800

Bill To
Charleston Water System Public Works Division ATTN: Accounts Payable P.O. Box B Charleston, SC 29402

Ship To

P.O. No.	Terms	Job No.
P0000000320-1	Net 30	EI 2021-0208 Cleaning ...

Quantity	Description	Rate	Amount
	Job Name- Cleaning Lift Stations		
8	Vacuum Truck & Crew 03-24-2021 J. Edwards B. Finernan Lift Station 59, 100, 101, 71, 22, 91	350.00	2,800.00
0.5	Technician OT	57.75	28.88
0.5	Operator OT	60.00	30.00
8	Vacuum Truck & Crew 03-25-2021 G. Douty C. Wright Lift Station 87, 76, 77, 81, 99, 121	350.00	2,800.00
8	Vacuum Truck & Crew 03-31-2021 J. Edwards D. Riley Lift Station 14, 138, 51, 41, J1212, 27, 26	350.00	2,800.00
8	Vacuum Truck & Crew 04-01-2021 J. Edwards R. Gray Lift Station 44, 0, 36, 24, 23	350.00	2,800.00
0.5	Technician OT	57.75	28.88
0.5	Operator OT	60.00	30.00
8	Vacuum Truck & Crew 04-07-2021 G. Douty C. Wright Lift Station 82, 88, 137, PP1, 2, 4, V, X16	350.00	2,800.00
Total			

**EADIE'S
INDUSTRIAL, INC.****VACUUM ~ WATER BLASTING****P.O. Box 275
Ridgeville, SC 29472**

(843) 821-9222

(843) 821-9262

Invoice

Date	Invoice No.
4/16/2021	EI 07800

Bill To
Charleston Water System Public Works Division ATTN: Accounts Payable P.O. Box B Charleston, SC 29402

Ship To

P.O. No.	Terms	Job No.
PO000000320-1	Net 30	EI 2021-0208 Cleaning ...

Quantity	Description	Rate	Amount
0.5	Operator OT	60.00	30.00
0.5	Technician OT	57.75	28.88
8	Vacuum Truck & Crew 04-08-2021 G. Douty C. Wright Lift Station DD, 12, 94, 80, HH, 107	350.00	2,800.00
0.5	Operator OT	60.00	30.00
0.5	Technician OT	57.75	28.88
Total			\$17,035.52



SALMONS DREDGING CORPORATION
Marine Contractors Since 1919

Post Office Box 42
Charleston, SC 29402
Tel: (843) 722-2921
Fax: (843) 723-4630

January 26th 2021
Charleston Water System
1256 Supply Street
Charleston, SC 29405

Attn: Mr. Clayton Bolton

Re: Cost Estimate: Crosstown Vortex Approach Channel Cleaning & Inspection
Location: Hwy 17-S and Spring Street
Crosstown Collection Shaft
Ashley River Tunnel System, Charleston Peninsula

Date: February 2021

Ms. Bolton,
Salmons Dredging Corporation is pleased to furnish you with the following cost estimate for dewatering, cleaning, and inspection of the Crosstown Vortex Approach Channel in the Ashley River Wastewater Collection System. Salmons cost of **\$50,000** is based on the pricing schedule listed below:

Salmons off site mobilization and 4-days of labor to remove existing and install new bar screen:	\$39,210.00
Rental Equipment and Consumables:	\$11,790.00

A Five-man confined space entry team using equipment specific for confined space entries to access the invert of the vortex approach channel. The scope of work is as follows:

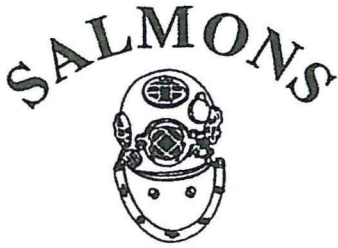
- Full mobilization and demobilization of equipment, materials, and personnel.
- Assist CWS personnel with installation of sewer plug in man hole #1.
- Establish by-pass pumps which will run continuously throughout the project.
- Cleaning of vortex approach channel and sump using CWS Vac-Trucks
- Gas free vortex approach channel so it is safe for man.
- Full inspection, with detailed measurements of approach channel
- Development and submittals for new Bar Screen assembly
- Six-man Dive Team to inspect Crosstown Collection Shaft on 5th day if time allows.

Notes:

- CWS personnel to install and maintain sewer plug in Man Hole #2 while Salmons personnel assist CWS with cleaning of Man Hole #1.
- Sewer plugs will be provided, installed, and maintained by CWS.
- By-pass pumping to be set up and maintained by Salmons Dredging includes two 8" pumps and hoses.
- CWS to provide 2- Vac Trucks to vacuum material from approach channel. Salmons personnel to assist with confined space entry procedures.
- Debris disposal to be coordinated by CWS
- Work must be completed on consecutive days and during favorable tides.

Please feel free to call with any questions or concerns.

Best Regards,
John P. Lares
Director of Diving Operations
Salmons Dredging Corporation



SALMONS DREDGING CORPORATION
Marine Contractors Since 1919

Post Office Box 42
Charleston, SC 29402
Tel: (843) 722-2921
Fax: (843) 723-4630

Sold To: Charleston Water System
P.O. Drawer B
Charleston, SC 29402

Invoice # 18002
P.O. # 000000318-2
Date 3/15/2021

PLEASE PAY FROM THIS INVOICE

Terms: Net 10 days. All invoices over 30 days past due will be subject to a 1-1/2% service charge per month.

For: Our Job No: 21D-13: February 12-19, 2021 - Provided commercial diving team to complete the Crosstown Vortex Approach Channel Cleaning and Inspection. Charleston Water System Purchase Order No. 000000318-2.

QUANTITY / HOURS	DESCRIPTION	UNIT PRICE	EXTENDED
1	Confined Space Entry Team & Safety Equipment, lump sum.	28,962.50	28,962.50
1	Rental and Company Owned Equipment (cost+10%)	25,925.92	25,925.92
1	Decontamination Supplies, Site Safety and Security (cost+10%)	4,124.66	4,124.66

TOTAL THIS INVOICE \$59,013.08

Celebrating 100 Years

Screening Disposal (Estimated for Wipes Only)	Date	Profile	Ticket #	Material	Facility	Carrier	Veh.	Tons	Estimated Disposal Cost	Estimated Hauling Cost
	1/4/2021	610450SC	1062696	Special W	Oakridge Landfill	CAROLINA WASTE	23430	6.86	TON	TON
	1/18/2021	610450SC	1064510	Special W	Oakridge Landfill	CAROLINA WASTE	23430	8.05	TON	TON
	2/1/2021	610450SC	1066635	Special W	Oakridge Landfill	CAROLINA WASTE	23430	7.48	TON	TON
	2/8/2021	610450SC	1067657	Special W	Oakridge Landfill	CAROLINA WASTE	23430	17.77	TON	TON
	2/15/2021	610450SC	1068740	Special W	Oakridge Landfill	CAROLINA WASTE	23430	13.22	TON	TON
	3/1/2021	610450SC	1070794	Special W	Oakridge Landfill	CAROLINA WASTE	23430	9.68	TON	TON
	3/3/2021	610450SC	1071279	Special W	Oakridge Landfill	CAROLINA WASTE	23430	19.97	TON	TON
	3/15/2021	610450SC	1073009	Special W	Oakridge Landfill	CAROLINA WASTE	23430	7.25	TON	TON
	4/8/2021	610450SC	1077498	Special W	Oakridge Landfill	CAROLINA WASTE	22430	10.07	TON	TON
	4/12/2021	610450SC	1077987	Special W	Oakridge Landfill	CAROLINA WASTE	24030	2.29	TON	TON
	4/26/2021	610450SC	1080255	Special W	Oakridge Landfill	CAROLINA WASTE	23430	8.16	TON	TON
								110.8	\$ 3,780.50	\$5,270
Pad Operation (Estimated for Wipes Only)	2/23/2021	610450SC	1069986	Special W	Oakridge Landfill	THREE R	47t2040	19.88	TON	TON
	2/24/2021	610450SC	1070205	Special W	Oakridge Landfill	CHARLESTON CPW	87t572	17.03	TON	TON
	3/3/2021	610450SC	1071125	Special W	Oakridge Landfill	CHARLESTON CPW	87t572	20.23	TON	TON
	4/8/2021	610450SC	1077373	Special W	Oakridge Landfill	CHARLESTON CPW	87t572	21.41	TON	TON
	4/23/2021	610450SC	1080006	Special W	Oakridge Landfill	THREE R	47t2040	14.99	TON	TON
							93.54	\$3,191.58	\$1,000.00	
Notes: Lower hauling costs/ton for wipes removed during pad operations are primarily the result of in-house vice contract hauling.										

Date: 5/4/2021

Send Invoices To:

Accounts Payable
 Charleston Water System
 P.O. Box B
 Charleston, SC 29402
 Email:
 apinvoices@charlestoncpw.com



Charleston Water System

PO Number: PO000000979-1**NOTICE TO VENDOR:**

The above number must appear on all invoices, packages, correspondence etc.

PURCHASE ORDER

Ship To:

Charleston Water System
 539 Harborview Circle
 Charleston, SC 29412
 USA
 Delivery times: 9am-3pm Monday - Friday

Buyer:

Carolyn Gailliard

Vendor:

SALMONS DREDGING CORPORATION
 P O BOX 42
 Charleston, SC 29402
 USA
 Payment Terms: N30

Line Number	Article or Service	Unit	Quantity Ordered	Unit Price	Total Price
1	Dive Services for IPS	Ea	1.00	9,458.40	\$9,458.40

Total Cost	\$9,458.40
-------------------	-------------------

Wesley Ropp, CFO

CWS has implemented an environmental management system (ISO14000) committing to an environmental policy, which will help prevent pollution and protect the environment. We are asking that your organization comply with our environmental policy as it is related to the products and services that your organization provides to CWS. To view our environmental policy, visit our website at www.charlestonwater.com.

Date: 5/4/2021



Charleston Water System

PO Number: PO000000980-1**Send Invoices To:**

Accounts Payable
Charleston Water System
P.O. Box B
Charleston, SC 29402
Email:
apinvoices@charlestoncpw.com

NOTICE TO VENDOR:

The above number must appear on all invoices, packages, correspondence etc.

PURCHASE ORDER

Ship To:

Charleston Water System
539 Harborview Circle
Charleston, SC 29412
USA

Delivery times: 9am-3pm Monday - Friday

Buyer:

Carolyn Gailliard

Vendor:

SALMONS DREDGING CORPORATION
P O BOX 42
Charleston, SC 29402
USA
Payment Terms: N30

Line Number	Article or Service	Unit	Quantity Ordered	Unit Price	Total Price
1	Dive services for HTTPS	Ea	1.00	95,985.54	\$95,985.54

Total Cost	\$95,985.54
-------------------	--------------------

Wesley Ropp, CFO

CWS has implemented an environmental management system (ISO14000) committing to an environmental policy, which will help prevent pollution and protect the environment. We are asking that your organization comply with our environmental policy as it is related to the products and services that your organization provides to CWS. To view our environmental policy, visit our website at www.charlestonwater.com.

Date: 5/7/2021

Send Invoices To:

Accounts Payable
 Charleston Water System
 P.O. Box B
 Charleston, SC 29402
 Email:
 apinvoices@charlestoncpw.com



Charleston Water System

PO Number: PO000000785-4**NOTICE TO VENDOR:**

The above number must appear on all invoices, packages, correspondence etc.

PURCHASE ORDER

Ship To:

Charleston Water System
 539 Harborview Circle
 Charleston, SC 29412
 USA

Delivery times: 9am-3pm Monday -
 Friday

Buyer:

Charles F Atwater

Vendor:

Xylem Dewatering Solutions, Inc
 Bridgeport, NJ 08014
 USA
 Payment Terms: N30

Line Number	Article or Service	Unit	Quantity Ordered	Unit Price	Total Price
1	Flygt Model 3312/746 Sewage Pump (Item A)	Ea	1.00	95,975.20	\$95,975.20
2	18" HDPE Pipe, fittings, etc. (Item B-K)	Lot	1.00	14,561.60	\$14,561.60
3	Mob/Demob	Ea	1.00	200.00	\$200.00
4	Fusion Services	Ea	1.00	1,515.00	\$1,515.00
5	RENTAL OF FUSION EQUIPMENT/MOBILIZATION DEMOBILIZATION	Ea	5,000.00	1.00	\$5,000.00

Wesley Ropp, CFO

CWS has implemented an environmental management system (ISO14000) committing to an environmental policy, which will help prevent pollution and protect the environment. We are asking that your organization comply with our environmental policy as it is related to the products and services that your organization provides to CWS. To view our environmental policy, visit our website at www.charlestonwater.com.

Charge Type	Charge Total
Destination freight	\$3,950.00
S.C. Sales Tax	\$10,753.81
Total Cost	\$131,955.61

Charleston Water Systems
 Attention: Mr. Greg Hider
 Sale Quotation # 110025118
 Page 1 of 1

225 Farmington Road
 Summerville, SC 29486
 Tel: 843-818-2266

xylem
 Let's Solve Water

godwin  

SALE QUOTATION

PURCHASE PRICING FROM RENTAL FLEET

ITEM	QTY	DESCRIPTION	UNIT PRICE	SALE TOTAL
A	1	Heidra 300 12" Hydraulic Pumpend • 12" 150# FL discharge • RENTAL FLEET# P-12029	\$ 18,495.00	\$ 18,495.00
B	6	3/4" x 50' Hydraulic Hose with Wingnut Couplers	550.20	3,301.20
C	10	1-1/4" x 50' Hydraulic Hose with Wingnut Couplers	1,311.80	13,118.00
D	1	12" 90 Degree Bend with 150# Flange	1,711.20	1,711.20
<div style="border: 1px solid black; padding: 10px;"> <p>Our current delivery lead-times associated with this Quotation are best estimates at this time. Due to the outbreak of the COVID-19 virus pandemic and its global effects on commerce, supply chain, and logistics, these lead-times are an estimate only and not a commitment. Xylem is and will continue to use all commercially reasonable efforts to minimize any delivery delay impacts.</p> </div>				
NET SALE TOTAL				\$ 36,625.40
DELIVERY CHARGE				\$ 3,950.00

Please note all sale pricing is in U.S. Dollars. The price does not include freight, export boxing, duties, taxes, or any other items not specifically mentioned.

This pricing information is for internal use only. We ask that these items and terms be kept confidential. All applicable tax and freight charges will be added to invoices. All quotations are subject to credit approval. All quotations are valid for 30 days. All prices quoted in US dollars.

This order is subject to the Standard Terms and Conditions of Sale, Xylem Americas effective on the date the order is accepted which terms are available at [www.xylem.com/termsandconditions](#)



Sold by:

Branch 010
225 Farmington Road
Summerville, SC 29486
Tel: 843-818-2266
Fax: 843-818-2230

Remit to: Xylem Dewatering Solutions, Inc.
26717 Network Place
Chicago, IL 60673-1267
Phone: 1.855.278.2248 (opt 1)

NOTE: Valued customers, please note the NEW remit address change included on this invoice.

S
O
L
D

T
O

Charleston Water Systems
PO Box B
Charleston, SC 29402-0017

S
H
I
P

T
O

City of Charleston
Plum Island WWTP
539 Harborview Island
Charleston, SC 29412

Cust. No.	Invoice Date	Invoice No.
00003453	04-14-2021	401082268

Page 1 of 1

Customer PO	Ordered By	Contract Date	Rental Contract #	Sales Representative	Order Taken By	Payment Terms
000000708-1	Mr. Greg Hider	03-25-2021	210015730	Brandon Sprouse	Brandon Sprouse	Net 60
QTY	ITEM	DESCRIPTION	PER	D/W/M	RATE	AMOUNT
Rental 03/25/2021 Thru 04/21/2021						
1	S-12046	GHPU90 12" Pwr Pk 6068HC94 IT4 PG SB CS	1	M	6,058.80	6,058.80
1	P-12029	Heidra 300 12" Hydraulic Pumpend • With QD	1	M	2,746.35	2,746.35
10	HSHY012050HTNR	1-1/4" x 50' Hyd Hose W/Wingnut	1	M	351.90	3,519.00
6	HSHY007050HTNR	3/4" x 50' Hyd Hose W/Wingnut	1	M	122.40	734.40
1	BN12090F1F000R	12" 90 Degree Bend W/150#FL • Mounted on Pump with 12" MQD	1	M	122.40	122.40
1	EMERGENCYOPEN	Emergency Opening Charge			150.00	150.00
1	PDELIVERYFRT010	DELIVERY MOTOR FRT BR 010 PARTIAL LOAD • Incoming Freight on powerpack and hoses			1,800.00	1,800.00
1	DZONE01ROLLBACK	Delivery Zone 1 - Rollback			180.00	180.00
1	ENVFEE	Environmental Fee				118.07
ALL PAST DUE INVOICES ARE SUBJECT TO 1 1/2% PER MONTH SERVICE CHARGE			Rental	Labor	Shipping	Misc. Charges
			\$ 13,180.95	\$ 0.00	\$ 1,980.00	\$ 268.07
						Taxes
						\$ 1,226.61

Important Information: Due to fraud attempts any communication for changes of bank account details have to be confirmed by a call-back with your respective Xylem contact person.

Total Invoice

\$ 16,655.63